

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

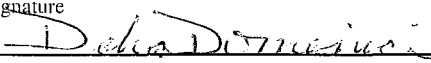
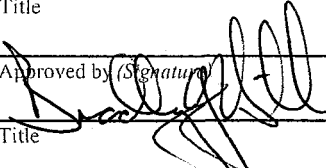
FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-468
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator WESTPORT OIL & GAS COMPANY L.P.		7. If Unit or CA Agreement, Name and No. NATURAL BUTTES
3A. Address 1368 SOUTH 1200 EAST, VERNAL, UTAH 84078	3b. Phone No. (include area code) (435) 781-7060	8. Lease Name and Well No. NBU 1022-14M2-S
4. Location of Well (Report location clearly and in accordance with any State requirements.)* 39.94342 At surface SWSW 644' FSL 692' FWL 635554 X 4422472Y -109.413355 At proposed prod. Zone 1275' FSL 160' FWL		9. API Well No. 4304737736
10. Field and Pool, or Exploratory NATURAL BUTTES		11. Sec., T., R., M., or Blk. and Survey or Area SEC 14-T10S-R22E
14. Distance in miles and direction from nearest town or post office* 27.35 MILES SOUTHEAST OF OURAY, UTAH		12. County or Parish UINTAH
13. State UT		
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 644'	16. No. of Acres in lease 320	17. Spacing Unit dedicated to this well 40
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C	19. Proposed Depth 8600'	20. BLM/BIA Bond No. on file CO-1203
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5264.3' GL	22. Approximate date work will start* UPON APPROVAL	23. Estimated duration TO BE DETERMINED

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- |   |   |
|---|---|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).   |
| 2. A Drilling Plan.   | 5. Operator certification.  |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature 	Name (Printed/Typed) DEBRA DOMENICI	Date 2/3/2006
Title ASSOCIATE ENVIRONMENTAL ANALYST		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL ENVIRONMENTAL MANAGER	Date 02-28-06
Title Office		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

BHL 635388 X  
4422661 Y

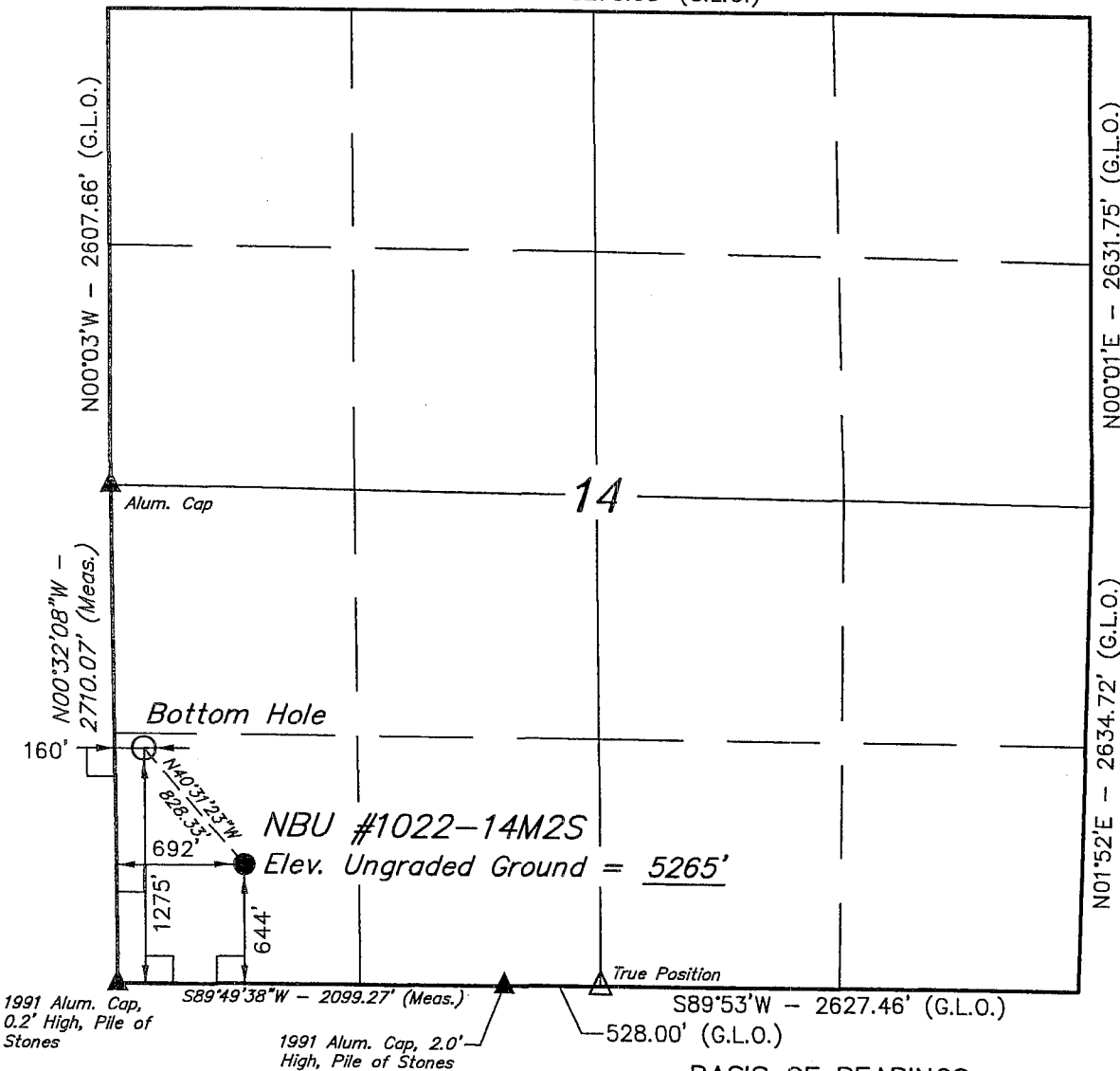
39.945134  
-109.415257

Federal Approval of this  
Action is Necessary

RECEIVED  
FEB 08 2006

# T10S, R22E, S.L.B.&M.

N89°59'W - 5278.68' (G.L.O.)



## BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

(NAD 83)

LATITUDE = 39°56'36.23" (39.943397)

LONGITUDE = 109°24'50.70" (109.414083)

(NAD 27)

LATITUDE = 39°56'36.35" (39.943431)

LONGITUDE = 109°24'48.25" (109.413403)

## LEGEND:

└─┘ = 90° SYMBOL

● = PROPOSED WELL HEAD.

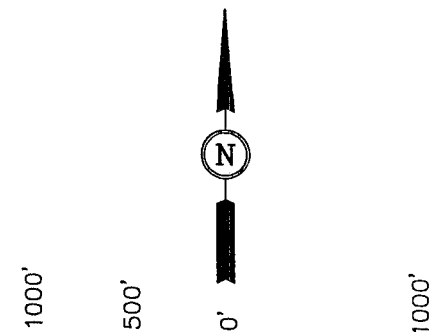
▲ = SECTION CORNERS LOCATED.

## Kerr-McGee Oil & Gas Onshore LP

Well location, NBU #1022-14M2S, located as shown in the SW 1/4 SW 1/4 of Section 14, T10S, R22E, S.L.B.&M. Uintah County, Utah.

## BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.



## SCALE CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

## UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 1-17-06	DATE DRAWN: 1-26-06
PARTY D.K. L.K. K.G.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE Kerr-McGee Oil & Gas Onshore LP	

NBU #1022-14M2-S  
SWSW SEC 14-T10S-R22E  
UINTAH COUNTY, UTAH  
UTU-468

ONSHORE ORDER NO. 1

***DRILLING PROGRAM***

1. **Estimated Tops of Important Geologic Markers:**

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1050'
Wasatch	4060'
Mesaverde	6450'
TD	8600'

2. **Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1050'
Gas	Wasatch	4060'
Gas	Mesaverde	6450'
Water	N/A	
Other Minerals	N/A	

3. **Pressure Control Equipment** (Schematic Attached)

*Please see the Natural Buttes Unit Standard Operating Procedure (SOP).*

4. **Proposed Casing & Cementing Program:**

*Please see the Natural Buttes Unit SOP.*

5. **Drilling Fluids Program:**

*Please see the Natural Buttes Unit SOP.*

6. **Evaluation Program:**

*Please see the Natural Buttes Unit SOP.*

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 8600' TD, approximately equals 5332 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3440 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

*Drilling is planned to commence immediately upon approval of this application.*

9. **Variances:**

*Please see Natural Buttes Unit SOP.*

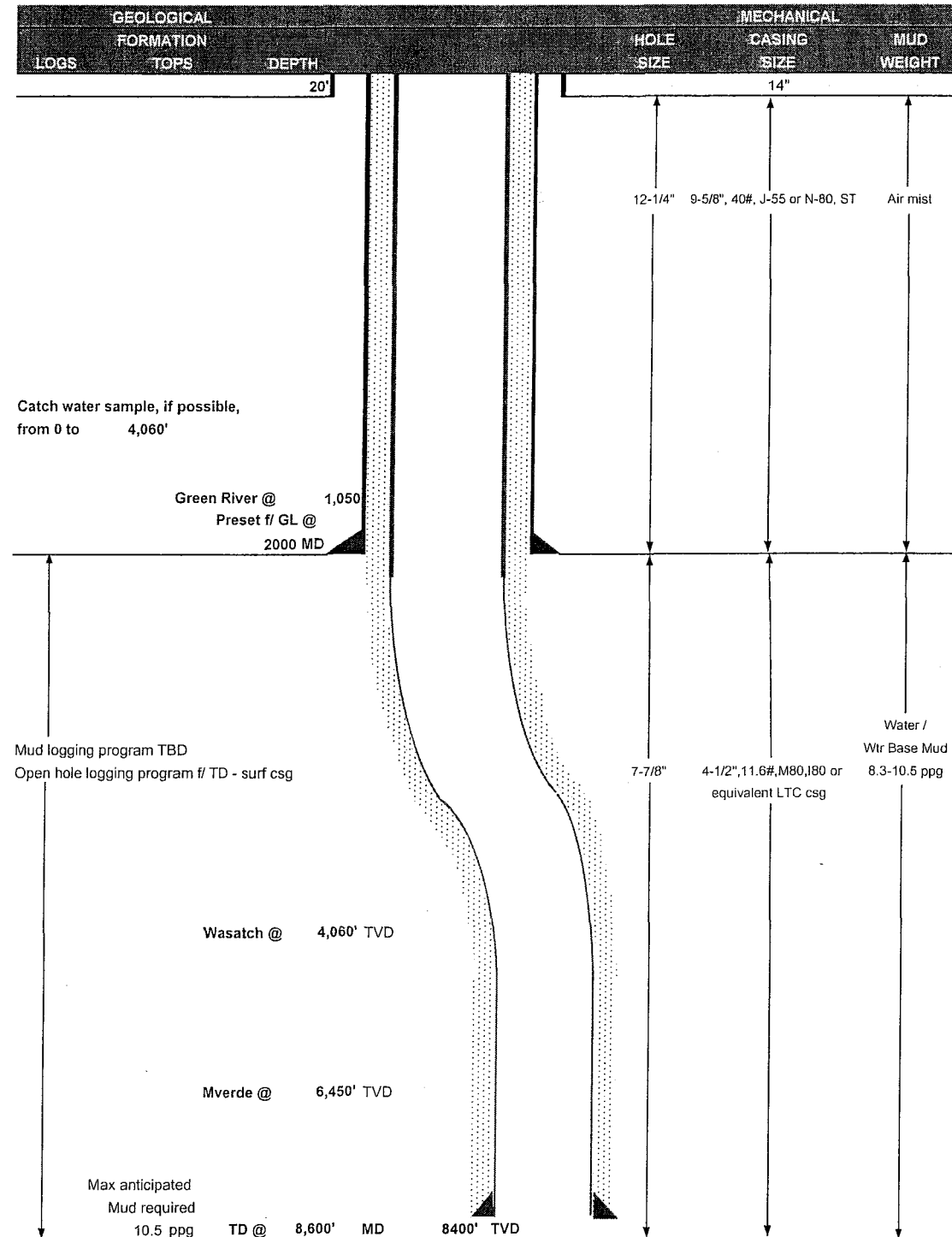
10. **Other Information:**

*Please see Natural Buttes Unit SOP.*



**Kerr-McGee Oil & Gas Onshore LP**  
**DRILLING PROGRAM**

COMPANY NAME	Westport Oil and Gas Co., L.P.	DATE	January 5, 2006		
WELL NAME	<b>NBU 1022-14M2-S</b>	TD	8,600'	MD	8400' TVD
FIELD	Bonanza	COUNTY	Uintah	STATE	Utah
		ELEVATION	5,265'	GL	KB 5,280'
SURFACE LOCATION	SWSW SECTION 14-T10S-R22E 624'FSL & 689'FWL				
	Latitude:	39.943342	Longitude:	109.414094	
BOTTOM HOLE LOC	SWSW SECTION 14-T10S-R22E 1275' FSL & 160' FWL				
	Latitude:		Longitude:		
OBJECTIVE ZONE(S)	Wasatch/Mesaverde				
ADDITIONAL INFO	Regulatory Agencies: BLM (SURF & MINERALS), UDOGM, Tri-County Health Dept.				





## Kerr-McGee Oil & Gas Onshore LP

### DRILLING PROGRAM

#### CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
SURFACE	9-5/8"	0 to 2000	40.00	J-55	STC	3950 1.41*****	2570 2.75	452000 7.99
PRODUCTION	4-1/2"	0 to 8600	11.60	M-80	LTC	7780 2.78	6350 1.35	201000 2.31

- 1) Max Anticipated Surf. Press. (MASP) (Surface Casing) = (Pore Pressure at next csg point - (0.22 psi/ft - partial evac gradient x TVD of next csg point))
- 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft - partial evac gradient x TD)
- (Burst Assumptions: TD = 0.0 ppg) .22 psi/ft = gradient for partially evac wellbore
- (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing \* Buoy. Fact. of water)
- MASP 2804 psi

\*\*\*\*\* Burst SF is low but csg is much stronger than formation at 2000'. EMW @ 2000' for 2270# is 21.8 ppg or 1.13 psi/ft

#### CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
Option 1	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE	LEAD	1500	NOTE: If well will circulate water to surface, option 2 will be utilized				
Option 2	TAIL	500	65/35 Poz + 6% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOW	360	35%	12.60	1.81
	TOP OUT CMT	as required	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
			Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,560'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	390	60%	11.00	3.38
	TAIL	5,040'	50/50 Poz/G + 10% salt + 2% gel + .1% R-3	1410	60%	14.30	1.31

\*Substitute caliper hole volume plus 15% excess if accurate caliper is obtained

#### FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

#### ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER:

Brad Laney / Rusty Desormeaux

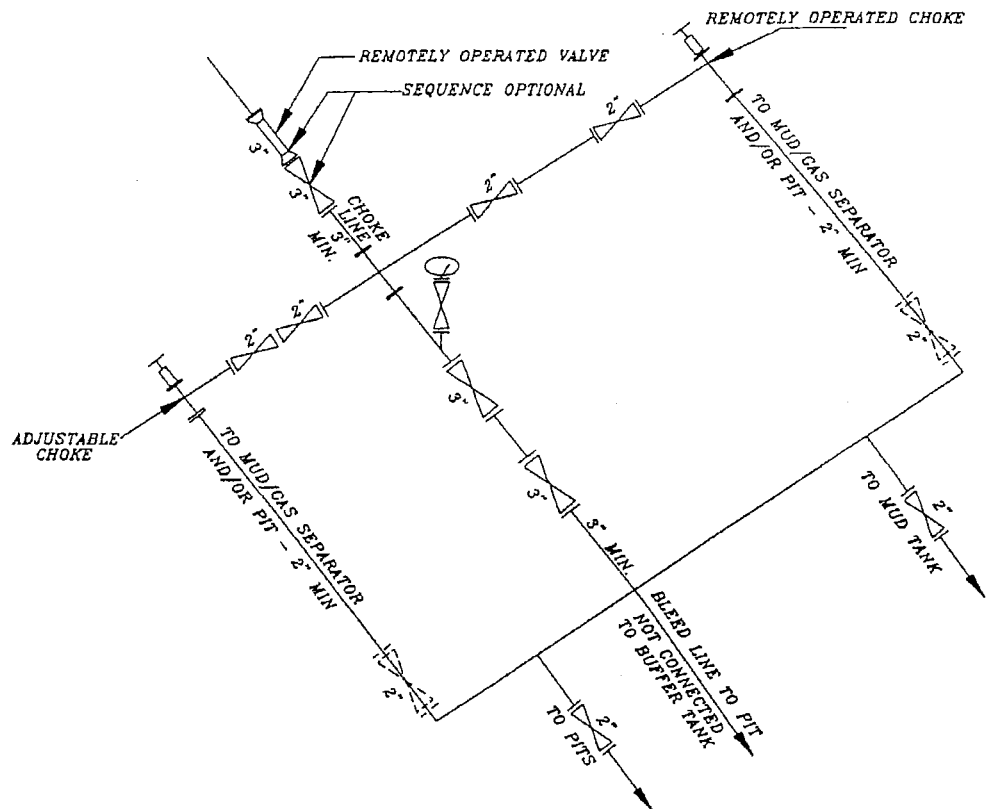
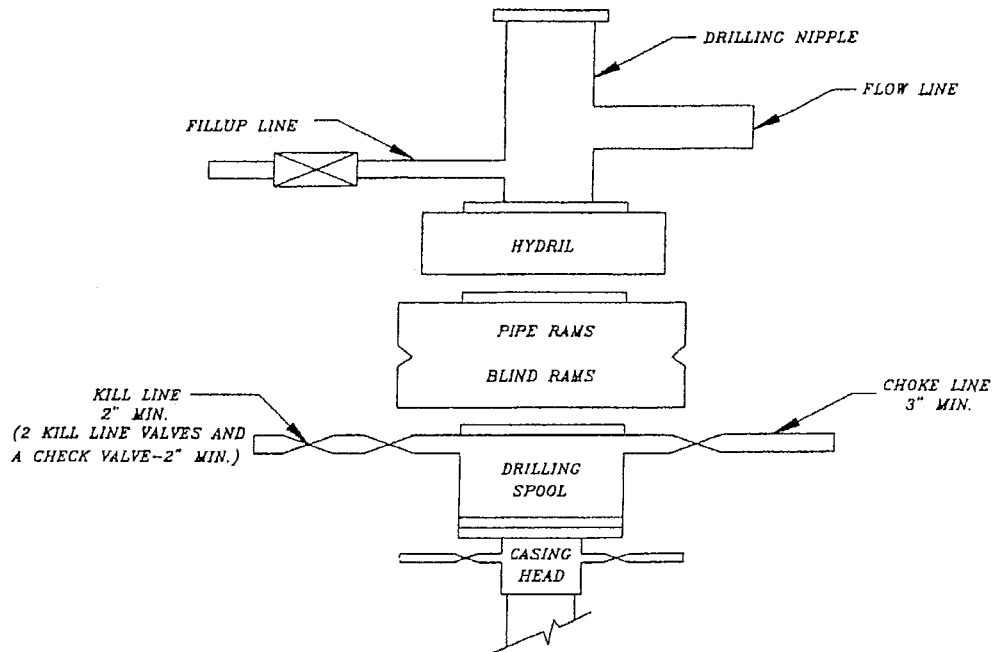
DATE: \_\_\_\_\_

DRILLING SUPERINTENDENT:

Randy Bayne

DATE: \_\_\_\_\_

# 5M BOP STACK and CHOKE MANIFOLD SYSTEM





NBU #1022-14M2-S  
SWSW SEC 14-T10S-R22E  
UINTAH COUNTY, UTAH  
UTU-468

ONSHORE ORDER NO. 1

***MULTI-POINT SURFACE USE & OPERATIONS PLAN***

1. **Existing Roads:**

Refer to the attached location directions.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

2. **Planned Access Roads:**

*Please see the Natural Buttes Unit Standard Operating Procedure (SOP).*

Approximately 0.15 miles of new access road is proposed. Refer to Topo Map B.

3. **Location of Existing Wells Within a 1-Mile Radius**

Please refer to Topo Map C.

4. **Location of Existing & Proposed Facilities**

*Please see the Natural Buttes Unit SOP.*

Refer to Topo Map D for the location of the proposed pipelines.

**Variances to Best Management Practices (BMPs) Requested:**

Approximately 790' of 4" steel pipeline will be installed on surface within the access corridor for the well location. As a Best Management Practice (BMP), the pipeline would be buried within the access road corridor if possible. The construction of pipelines requires the corridor of 30 feet.

This exception to the BMP should be granted by the BLM Authorized Officer because indurated bedrock, such as sandstone, is at or within 2 feet of the surface and the soil has a poor history for successful rehabilitation.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon Brown (2.5Y 6/2), a non-reflective earthtone.

5. **Location and Type of Water Supply:**

*Please see the Natural Buttes SOP.*

6. **Source of Construction Materials**

*Please see the Natural Buttes SOP.*

7. **Methods of Handling Waste Materials**

*Please see the Natural Buttes SOP.*

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E (*Request is in lieu of filing Form 3160-5, after initial production*).

8. **Ancillary Facilities**

*Please see the Natural Buttes SOP.*

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

A 20 mil reserve pit liner with felt will be used.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

10. **Plans for Reclamation of the Surface:**

*Please see the Natural Buttes SOP.*

When the pit is backfilled, the topsoil pile shall be spread on the location up to the rig anchor points. The location will be reshaped to the original contour to the extent possible. The following seed mixture will be used to reclaim the surface for interim reclamation using appropriate reclamation methods. A total of 12 lbs/acre will be used if the seeds are drilled (24 lbs/acre if the seeds are broadcast). The per acre requirements for **drilled** seed are:

Crested Wheat Grass	12 lbs.
---------------------	---------

Operator shall call the BLM for the seed mixture when final reclamation occurs.

**11. Surface Ownership:**

The well pad and access road are located on lands owned by:

United States of America  
Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078  
(435)781-4400

**12. Other Information:**

A Class III archaeological survey and a paleontological survey have been performed and will be filed when received.

**13. Lessee's or Operator's Representative & Certification:**

Debra Domenici  
Associate Environmental Analyst  
Kerr-McGee Oil & Gas Onshore LP  
1368 South 1200 East  
Vernal, UT 84078  
(435) 781-7060

Randy Bayne  
Drilling Manager  
Kerr-McGee Oil & Gas Onshore LP  
1368 South 1200 East  
Vernal, UT 84078  
(435) 781-7018


Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by BLM Nationwide Bond #CO-1203.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

  
Debra Domenici

2/22/2006

Date

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Debra Domenici  
Debra Domenici

2/3/2006

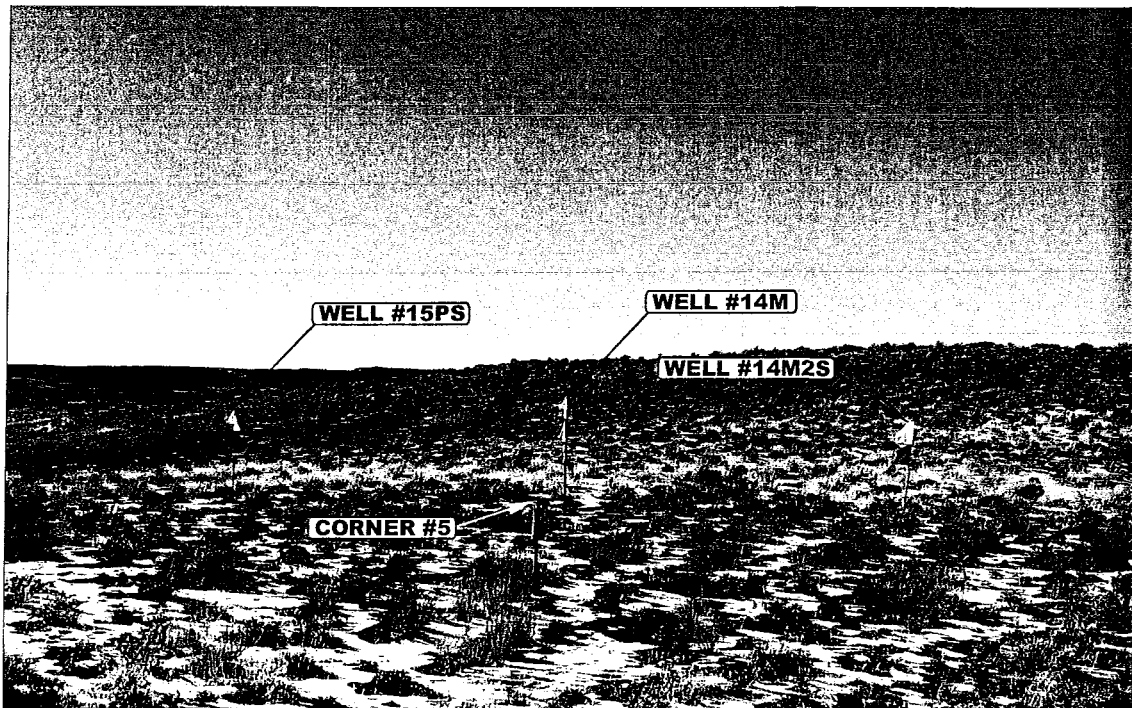
Date

Kerr-McGee Oil & Gas Onshore LP  
NBU #1022-14M2S, #1022-14M, #1022-15PS  
SECTION 14, T10S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 11.2 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 12.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; PROCEED IN A EASTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 0.7 MILES THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 1.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE WEST; FOLLOW ROAD FLAGS IN A WESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.15 MILES TO THE PROPOSED LOCATION.

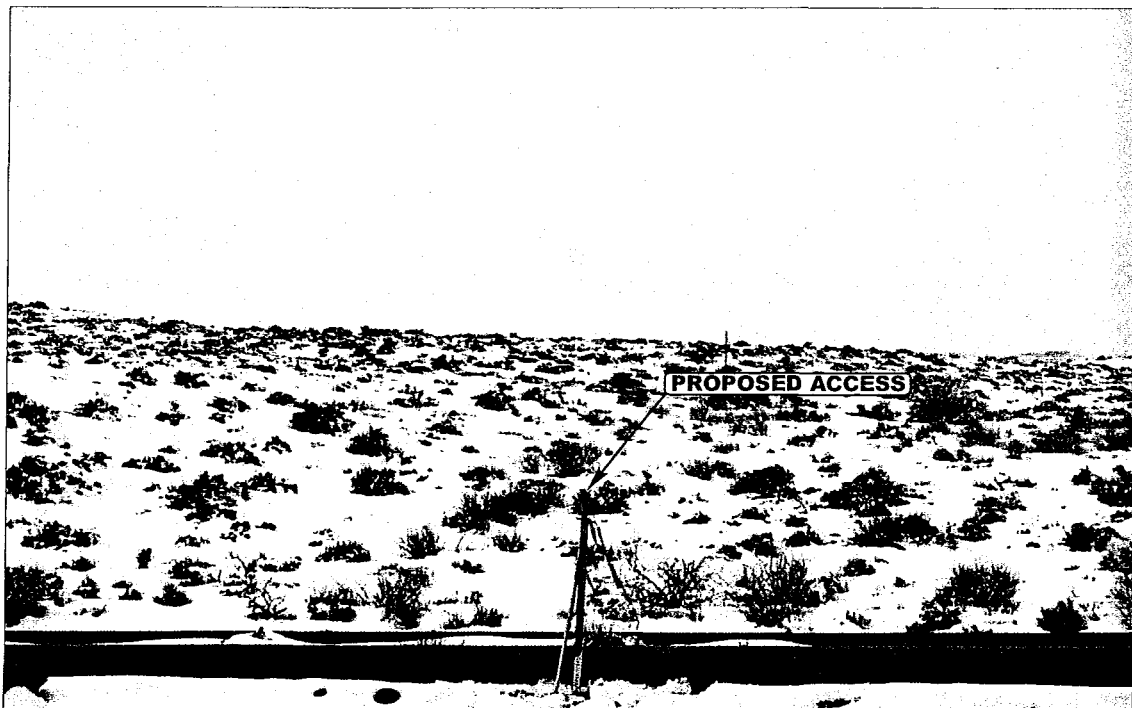
TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 58.35 MILES.

**Kerr-McGee Oil & Gas Onshore LP**  
**NBU #1022-14M2S, #1022-14M, #1022-15PS**  
**LOCATED IN UINTAH COUNTY, UTAH**  
**SECTION 14, T10S, R22E, S.L.B.&M.**



**PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE**

**CAMERA ANGLE: NORTHWESTERLY**



**PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS**

**CAMERA ANGLE: WESTERLY**



**UELS**

Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

**LOCATION PHOTOS**

**01 05 05**  
MONTH DAY YEAR

**PHOTO**

TAKEN BY: D.K.

DRAWN BY: L.K.

REVISED: 01-27-06

**LEGEND:**

PROPOSED LOCATION

## Kerr-McGee Oil & Gas Onshore LP

NBU #1022-14M2S, 1022-14M, 1022-15PS  
SECTION 14, T10S, R22E, S.L.B.&M.  
SW 1/4 SW 1/4



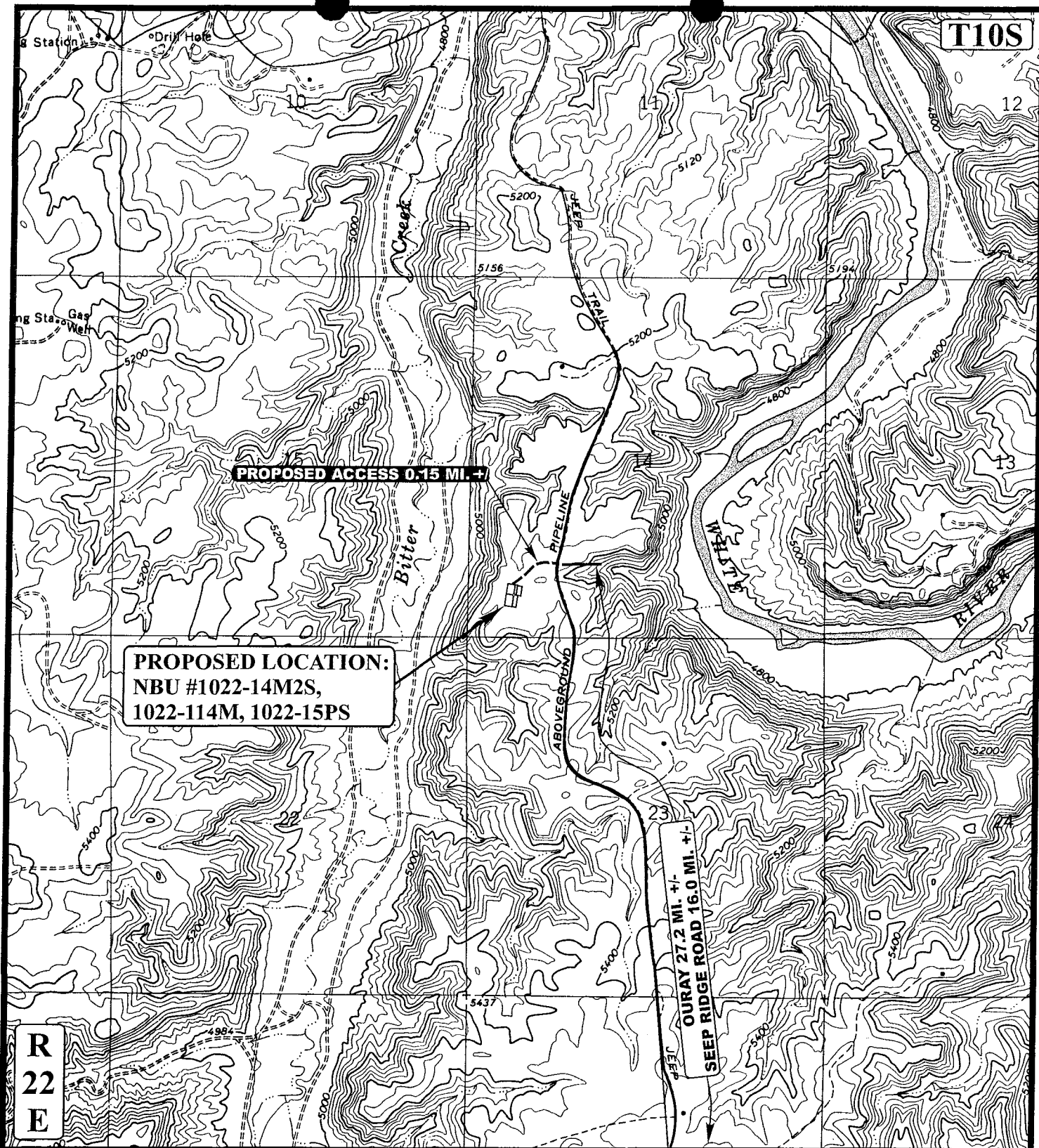
**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

TOPOGRAPHIC  
MAP

01	05	05
MONTH	DAY	YEAR

SCALE: 1:100,000	DRAWN BY: L.K.	REVISED: 01-27-06
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# **LEGEND:**

———— EXISTING ROAD  
 - - - - - PROPOSED ACCESS ROAD



**Kerr-McGee Oil & Gas Onshore LP**

**NBU #1022-14M2S, 1022-14M, 1022-15PS**  
**SECTION 14, T10S, R22E, S.L.B.&M.**  
**SW 1/4 SW 1/4**



**Utah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

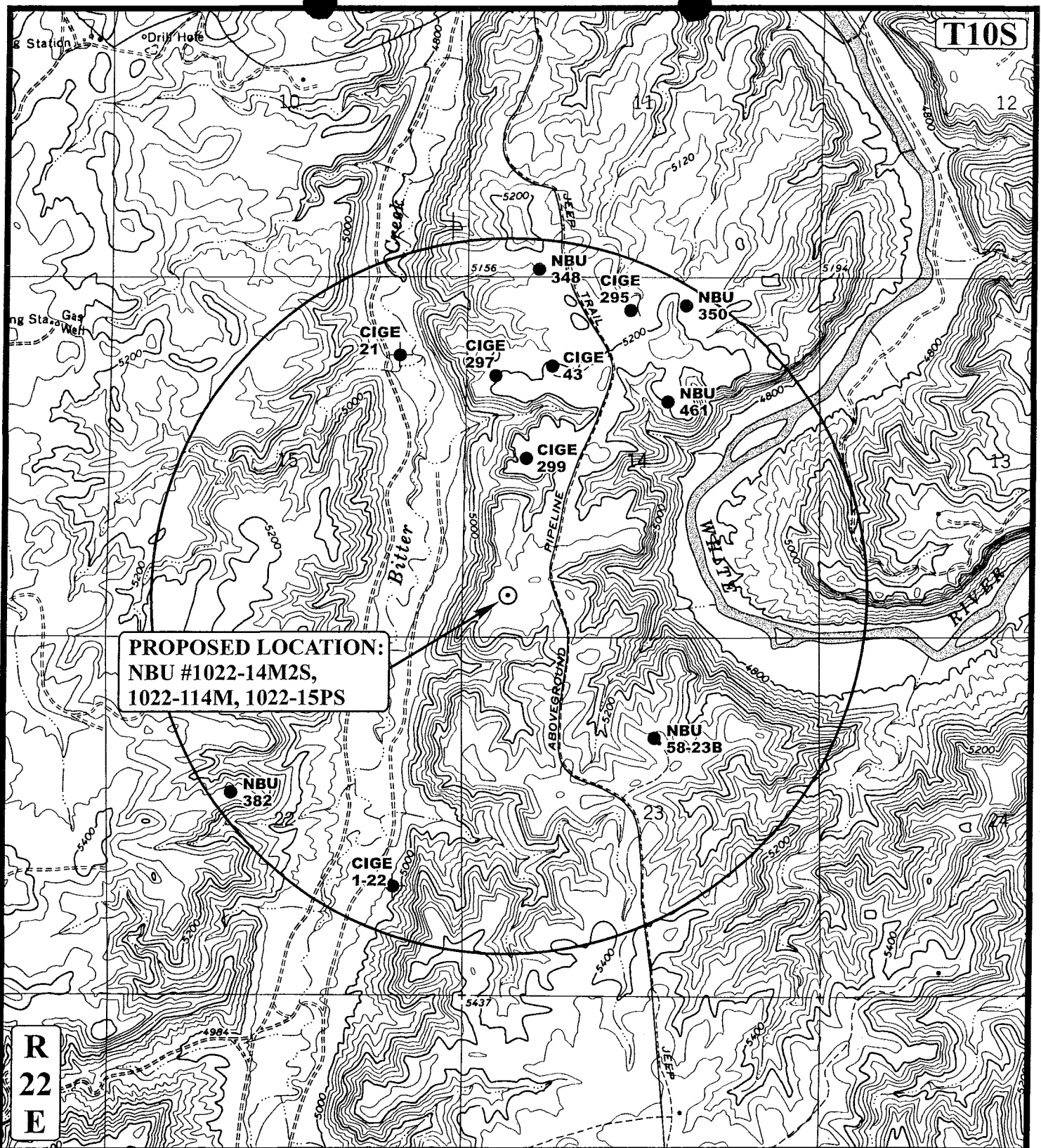
**TOPOGRAPHIC**  
**MAP**

<b>01</b>	<b>05</b>	<b>05</b>
MONTH	DAY	YEAR



SCALE: 1" = 2000' DRAWN BY: L.K. REVISED: 01-27-06





# LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

Kerr-McGee Oil & Gas Onshore LP

NBU #1022-14M2S, 1022-14M, 1022-15PS  
SECTION 14, T10S, R22E, S.L.B.&M.  
SW 1/4 SW 1/4



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

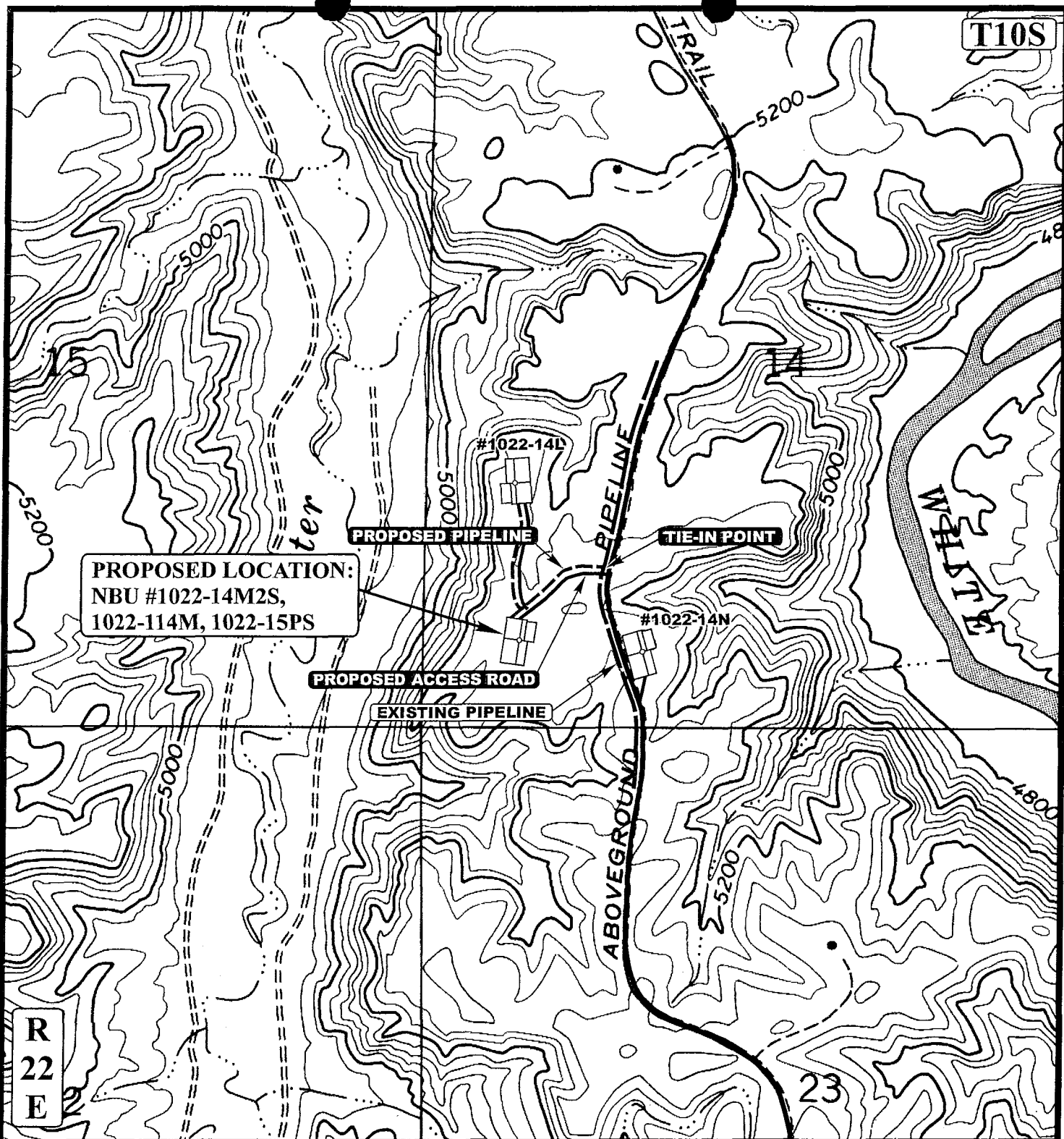


TOPOGRAPHIC  
MAP

01 05 05  
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: L.K. REVISED: 01-27-06





APPROXIMATE TOTAL PIPELINE DISTANCE = 790' +/-

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE

Kerr-McGee Oil & Gas Onshore LP

NBU #1022-14M2S, 1022-14M, 1022-15PS  
SECTION 14, T10S, R22E, S.L.B.&M.  
SW 1/4 SW 1/4



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



TOPOGRAPHIC  
MAP

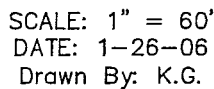
01 05 05  
MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: L.K. REVISED: 01-27-06

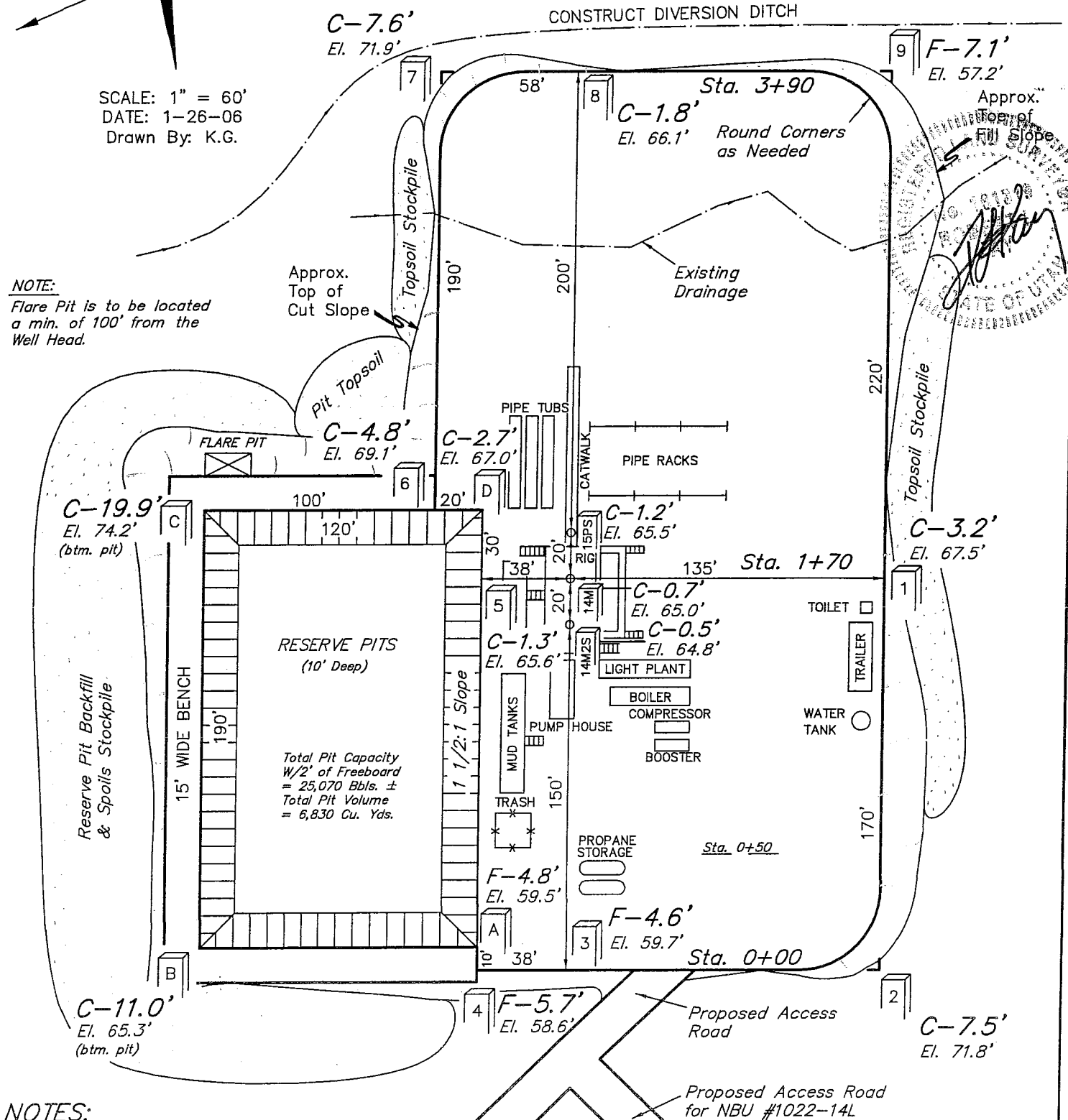
**D**  
TOPO

FIGURE #1

NBU #1022-14M2S, #1022-14M, #1022-15PS  
SECTION 14, T10S, R22E, S.L.B.&M.  
SW 1/4 SW 1/4



*Flare Pit is to be located  
a min. of 100' from the  
Well Head.*



NOTES:

Elev. Ungraded Ground At #1022-14M Loc. Stake = 5265.0'  
FINISHED GRADE ELEV. AT #1022-14M LOC. STAKE = 5264.3'

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

# Kerr-McGee Oil & Gas Onshore LP

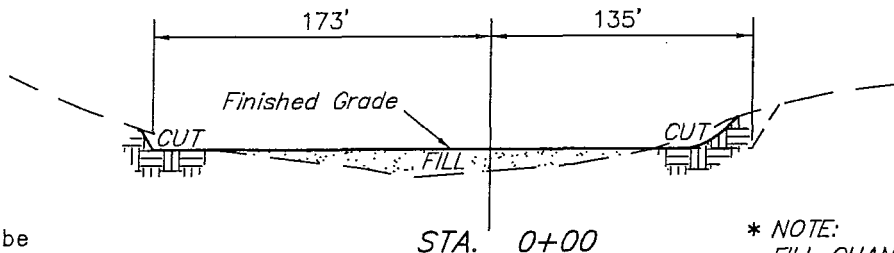
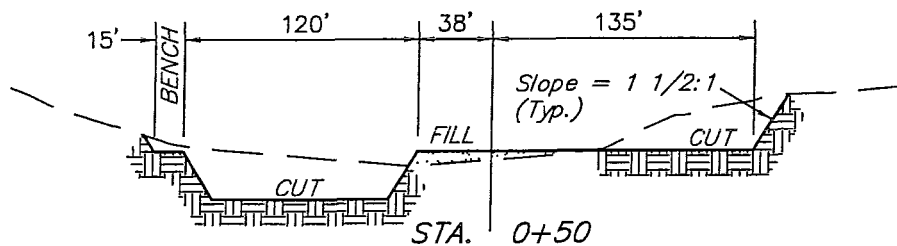
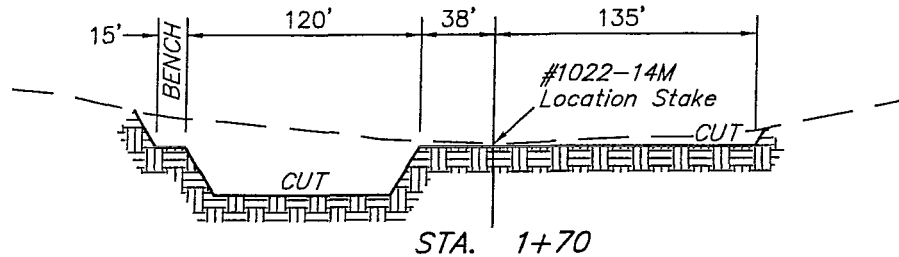
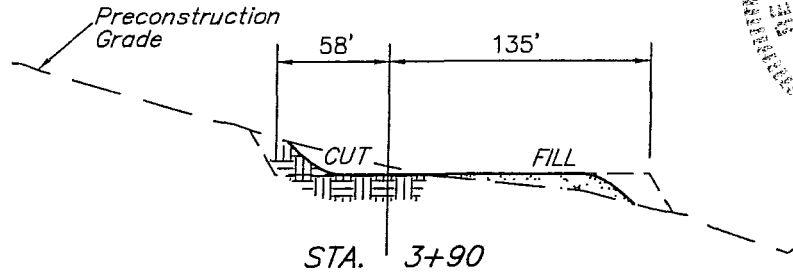
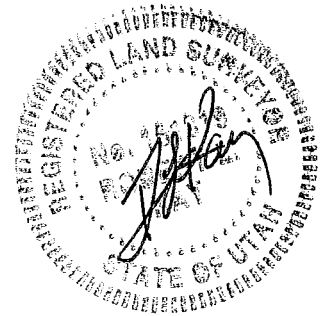
## TYPICAL CROSS SECTIONS FOR

NBU #1022-14M2S, #1022-14M, #1022-15PS  
SECTION 14, T10S, R22E, S.L.B.&M.  
SW 1/4 SW 1/4

FIGURE #2

1" = 40'  
X-Section  
Scale  
1" = 100'

DATE: 1-26-06  
Drawn By: K.G.



### NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

### \* NOTE:

FILL QUANTITY INCLUDES 5% FOR COMPACTION

### APPROXIMATE YARDAGES

CUT  
(6") Topsoil Stripping = 2,150 Cu. Yds.  
Remaining Location = 11,270 Cu. Yds.  
  
TOTAL CUT = 13,420 CU.YDS.  
FILL = 6,610 CU.YDS.

EXCESS MATERIAL = 6,810 Cu. Yds.  
Topsoil & Pit Backfill (1/2 Pit Vol.) = 5,570 Cu. Yds.  
EXCESS UNBALANCE (After Rehabilitation) = 1,240 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 02/08/2006

API NO. ASSIGNED: 43-047-37736

WELL NAME: NBU 1022-14M2-S

OPERATOR: WESTPORT OIL & GAS CO ( N2115 )

CONTACT: DEBRA DOMENICI

PHONE NUMBER: 435-781-7060

PROPOSED LOCATION:

SWSW 14 100S 220E

SURFACE: 0644 FSL 0692 FWL

BOTTOM: 1275 FSL 0160 FWL

COUNTY: UINTAH

LATITUDE: 39.94341 LONGITUDE: -109.4134

UTM SURF EASTINGS: 635554 NORTHINGS: 4422472

FIELD NAME: NATURAL BUTTES ( 630 )

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-468

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: WSMVD

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. CO-1203 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B)\* or 190-3 or 190-13  
☒ Water Permit  
(No. 43-8496 )  
☒ RDCC Review (Y/N)  
(Date: )  
☒ Fee Surf Agreement (Y/N)  
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

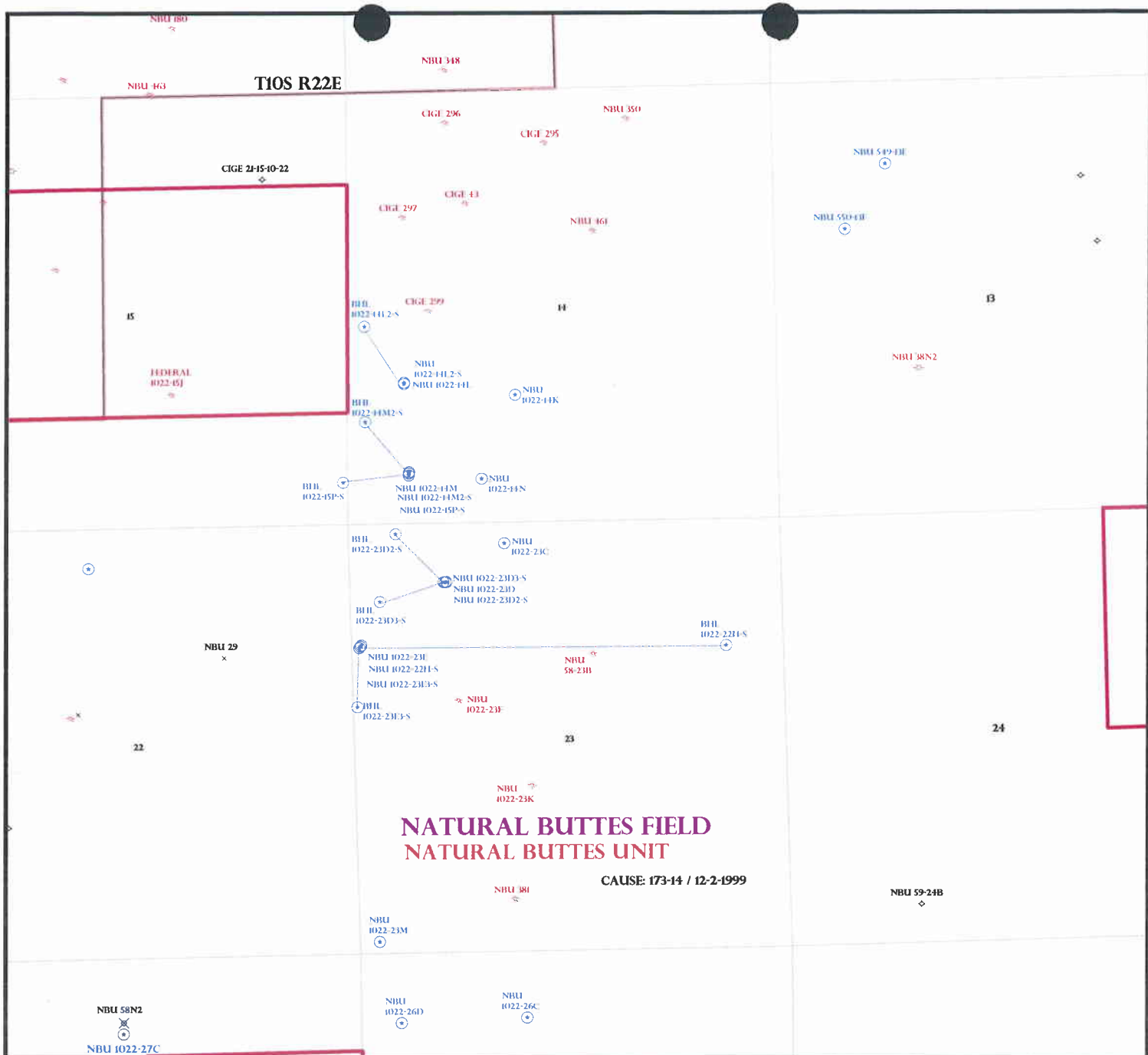
☒ R649-2-3.  
Unit: NATURAL BUTTES  
☒ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells  
☒ R649-3-3. Exception  
☒ Drilling Unit  
Board Cause No: 173-14  
Eff Date: 12-2-1999  
Siting: 460' fr u bdr & uncomm. tract  
☒ R649-3-11. Directional Drill

COMMENTS:

*Sop, Separate h/w*

STIPULATIONS:

*1- Federal Approval  
2- Oil Shale*



OPERATOR: WESTPORT O&G CO (N2115)

SEC: 14,23 T. 10S R. 22E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

CAUSE: 173-14 / 12-2-1999

**Field Status**

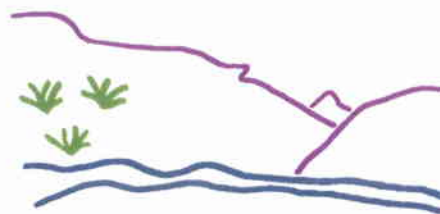
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

**Unit Status**

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

**Wells Status**

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



*Utah Oil Gas and Mining*



PREPARED BY: DIANA WHITNEY  
DATE: 13-FEBRUARY-2006

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

February 21, 2006

### Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2006 Plan of Development Natural Buttes Unit  
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2006 within the Natural Buttes Unit, Uintah County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Wasatch-MesaVerde)		
43-047-37737	NBU 1022-14L2-S	Sec 14 T10S R22E 1733 FSL 0645 FWL
	BHL	Sec 14 T10S R22E 2450 FSL 0170 FWL
43-047-37736	NBU 1022-14M2-S	Sec 14 T10S R22E 0644 FSL 0692 FWL
	BHL	Sec 14 T10S R22E 1275 FSL 0160 FWL
43-047-37735	NBU 1022-15P-S	Sec 14 T10S R22E 0604 FSL 0686 FWL
	BHL	Sec 15 T10S R22E 0530 FSL 0120 FEL
43-047-37741	NBU 1022-23D3-S	Sec 23 T10S R22E 0720 FNL 1128 FWL
	BHL	Sec 23 T10S R22E 0950 FNL 0305 FWL
43-047-37742	NBU 1022-23D2-S	Sec 23 T10S R22E 0720 FNL 1108 FWL
	BHL	Sec 23 T10S R22E 0115 FNL 0510 FWL
43-047-37743	NBU 1022-23E3-S	Sec 23 T10S R22E 1511 FNL 0044 FWL
	BHL	Sec 23 T10S R22E 2235 FNL 0010 FWL
43-047-37744	NBU 1022-22H-S	Sec 23 T10S R22E 1495 FNL 0056 FWL
	BHL	Sec 22 T10S R22E 1570 FNL 0740 FEL

Our records indicate the NBU 1022-14L2-S and the NBU 1022-14M2-S are closer than 460 feet from the Natural Buttes Unit boundary.

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File - Natural Buttes Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:2-21-06





**KERR-McGEE OIL & GAS ONSHORE LP**  
1999 BROADWAY, SUITE 3700 • DENVER, COLORADO 80202

PHONE: 303-296-3600  
FAX: 303-296-3601

February 21, 2006

Ms. Diana Whitney  
Division of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, UT 84114-6100

RE: NBU 1022-14M2-S  
T10S-R22E  
Section 14: SWSW  
644' FSL, 692' FWL- Surface Location  
1,275' FSL, 160' FWL- Bottom Hole Location  
Uintah County, Utah

Dear Ms. Whitney:

Kerr-McGee Oil & Gas Onshore LP, formerly known as Westport Oil and Gas Company, L.P., has submitted a permit to drill the captioned well to test the Wasatch and Mesaverde formations. The well is located at an exception location to State Rule 173-14 (NBU). The well location is less than 460' from the unit boundary. Kerr-McGee owns 100% of the leasehold in the offset lands, as to the Wasatch and Mesaverde formations, and has no objection to the exception location.

Kerr-McGee requests your approval of this exception location. If you have any questions or require any additional information, please do not hesitate to call me at 720-264-2618.

Sincerely,

W. Chris Latimer, CPL  
Senior Landman

cc: Raleen Weddle

RECEIVED

FEB 23 2006

DIV. OF OIL, GAS & MINING



WESTPORT OIL AND GAS COMPANY, L.P.

1368 South 1200 East Vernal Utah 84078  
Telephone: 435-781-0166 Fax: 435-781-7095

February 22, 2006

Diana Whitney  
State of Utah  
Department of Oil, Gas & Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Re: Directional Drilling R649-3-11  
NBU 1022-14M2-S  
Surface: SWSW Sec 14-T10S-R22E 644' ~~FWL~~ <sup>S</sup> 692' FWL  
Bottomhole: SWSW Sec 14-T10S-R22E 1275' ~~FWL~~ <sup>S</sup> 160' FWL

Dear Diana:

Pursuant to the filing of Westport Oil & Gas Company L.P.'s Application for Permit to Drill regarding the above referenced well on February 3, 2006, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to Directional Drilling of Wells.

- Westport's NBU 1022-14M2-S is located within the Natural Buttes Unit area.
- Westport is permitting this well as a directional well in order to access portions of our lease which are otherwise inaccessible due to topography.
- Furthermore, Westport hereby certifies that it is the sole working interest owner within 460 feet of the entire directional well bore.

Therefore, based on the above stated information Westport requests the permit be granted pursuant to R649-3-11.

If you have any questions, please feel free to contact me at 435-781-7060.

Sincerely,

Debra Domenici  
Associate Environmental Analyst

RECEIVED

FEB 24 2006

DIV. OF OIL, GAS & MINING



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

February 28, 2006

Westport Oil & Gas Company LP  
1368 South 1200 East  
Vernal, UT 84078

Re: Natural Buttes Unit 1022-14M2-S Well, Surface Location 644' FSL, 692' FWL, SW SW, Sec. 14, T. 10 South, R. 22 East, Bottom Location 1275' FSL, 160' FWL, SW SW, Sec. 14, T. 10 South, R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-37736.

Sincerely,

Gil Hunt  
Associate Director

pab

Enclosures

cc: Uintah County Assessor  
Bureau of Land Management, Vernal District Office

Operator: Westport Oil & Gas Company LP  
Well Name & Number Natural Buttes Unit 1022-14M2-S  
API Number: 43-047-37736  
Lease: UTU-468

Surface Location: SW SW      Sec. 14      T. 10 South      R. 22 East  
Bottom Location: SW SW      Sec. 14      T. 10 South      R. 22 East

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

6 In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. DJJ

2. CDW

**X Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**1/6/2006**

**FROM: (Old Operator):**

N2115-Westport Oil & Gas Co., LP  
 1368 South 1200 East  
 Vernal, UT 84078  
 Phone: 1-(435) 781-7024

**TO: ( New Operator):**

N2995-Kerr-McGee Oil & Gas Onshore, LP  
 1368 South 1200 East  
 Vernal, UT 84078  
 Phone: 1-(435) 781-7024

CA No.		Unit:	NATURAL BUTTES UNIT					
WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/10/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/10/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/7/2006
- a. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- b. If **NO**, the operator was contacted on: \_\_\_\_\_
- 5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- 5b. Inspections of LA PA state/fee well sites complete on: n/a 3 LA wells & all PA wells transferred
- 5c. Reports current for Production/Disposition & Sundries on: ok
- 6. Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 3/27/2006 BIA not yet
- 7. Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: 3/27/2006
- 8. Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- 9. Underground Injection Control ("UIC")** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: \_\_\_\_\_

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 5/15/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 5/15/2006
- Bond information entered in RBDMS on: 5/15/2006
- Fee/State wells attached to bond in RBDMS on: 5/16/2006
- Injection Projects to new operator in RBDMS on: \_\_\_\_\_
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a Name Change Only

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: CO1203
- Indian well(s) covered by Bond Number: RLB0005239
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB0005236
- a. The **FORMER** operator has requested a release of liability from their bond on: n/a rider added KMG  
The Division sent response by letter on: \_\_\_\_\_

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 5/16/2006

**COMMENTS:**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**KERR-McGEE OIL & GAS ONSHORE LP**

3a. Address

**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)

**(435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SEE ATTACHED**

5. Lease Serial No.

**MULTIPLE LEASES**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

**MUTIPLE WELLS**

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

**UINTAH COUNTY, UTAH**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**TYPE OF SUBMISSION**

**TYPE OF ACTION**

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☒ Other **CHANGE OF OPERATOR**

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

PLEASE BE ADVISED THAT KERR-McGEE OIL & GAS ONSHORE LP, IS CONSIDERED TO BE THE OPERATOR OF THE ATTACHED WELL LOCATIONS. EFFECTIVE JANUARY 6, 2006.

KERR-McGEE OIL & GAS ONSHORE LP, IS RESPONSIBLE UNDER TERMS AND CONDITIONS OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASE LANDS. BOND COVERAGE IS PROVIDED BY STATE OF UTAH NATIONWIDE BOND NO. RLB0005237.

**RECEIVED**

**MAY 10 2006**

DIV. OF OIL, GAS & MINING

**BLM BOND = C01203**

**BIA BOND = RLB0005237**

**APPROVED 5/16/06**

**Earlene Russell**  
Division of Oil, Gas and Mining  
**Earlene Russell, Engineering Technician**

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

**RANDY BAYNE**

Title

**DRILLING MANAGER**

Signature

Date

**May 9, 2006**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

5. Lease Serial No.

MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

MUTIPLE WELLS

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

WESTPORT OIL & GAS COMPANY L.P.

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEE ATTACHED

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other CHANGE OF OPERATOR
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

EFFECTIVE JANUARY 6, 2006, WESTPORT OIL & GAS COMPANY L.P., HAS RELINQUISHED THE OPERATORSHIP OF THE ATTACHED WELL LOCATIONS TO KERR-McGEE OIL & GAS ONSHORE LP.

APPROVED 5/16/06  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

RECEIVED  
MAY 10 2006

DIV OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

BRAD LANEY

Signature

Title

ENGINEERING SPECIALIST

Date

May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

*Brad Laney*

Title

Office

Date

5-9-06

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)



## United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
Colorado State Office  
2850 Youngfield Street  
Lakewood, Colorado 80215-7076

IN REPLY REFER TO:

CO922 (MM)  
3106  
COC017387 et. al.

March 23, 2006

### NOTICE

Kerr-McGee Oil & Gas Onshore L.P. :  
1999 Broadway, Suite 3700 : Oil & Gas  
Denver, CO 80202 :

#### Merger/Name Change - Recognized

On February 28, 2006 this office received acceptable evidence of the following mergers and name conversion:

Kerr-McGee Oil & Gas Onshore L.P., a Delaware Limited Partnership, and Kerr-McGee Oil & Gas Onshore LLC, a Delaware Limited Partnership merger with and into Westport Oil and Gas Company L.P., a Delaware Limited Partnership, and subsequent Westport Oil & Gas Company L.P. name conversion to Kerr-McGee Oil & Gas Onshore L.P.

For our purposes the merger and name conversion was effective January 4, 2006, the date the Secretary of State of Delaware authenticated the mergers and name conversion.

Kerr-McGee Oil & Gas Onshore L.P. provided a list of oil and gas leases held by the merging parties with the request that the Bureau of Land Management change all their lease records from the named entities to the new entity, Kerr-McGee Oil & Gas Onshore L.P. In response to this request each state is asked to retrieve their own list of leases in the names of these entities from the Bureau of Land Management's (BLM) automated LR2000 data base.

The oil and gas lease files identified on the list provided by Kerr-McGee Oil & Gas Onshore L.P. have been updated as to the merger and name conversion. We have not abstracted the lease files to determine if the entities affected by the acceptance of these documents holds an interest in the lease, nor have we attempt to identify leases where the entity is the operator on the ground that maintains vested record title or operating rights interests. If additional documentation, for change of operator, is required you will be contacted directly by the appropriate Field Office. The Mineral Management Services (MMS) and other applicable BLM offices were notified of the merger with a copy of this notice

Please contact this office if you identify additional leases where the merging party maintains an interest, under our jurisdiction, and we will document the case files with a copy of this notice. If the leases are under the jurisdiction of another State Office that information will be forwarded to them for their action.



Three riders accompanied the merger/name conversion documents which will add Kerr-McGee Oil and Gas Onshore LLC as a principal to the 3 Kerr-McGee bonds maintained by the Wyoming State Office. These riders will be forward to them for their acceptance.

The Nationwide Oil & Gas Continental Casualty Company Bond #158626364 (BLM Bond #CO1203), maintained by the Colorado State Office, will remain in full force and effect until an assumption rider is accepted by the Wyoming State Office that conditions their Nationwide Safeco bond to accept all outstanding liability on the oil and gas leases attached to the Colorado bond.

If you have questions about this action you may call me at 303.239.3768.

/s/Martha L. Maxwell  
Martha L. Maxwell  
Land Law Examiner  
Fluid Minerals Adjudication

**Attachment:**

List of OG Leases to each of the following offices:

MMS MRM, MS 357B-1

WY, UT, NM/OK/TX, MT/ND, WY State Offices

CO Field Offices

Wyoming State Office

Rider #1 to Bond WY2357

Rider #2 to Bond WY1865

Rider #3 to Bond WY1127



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>



IN REPLY REFER TO:  
3106  
(UT-922)

March 27, 2006

### Memorandum

To: Vernal Field Office

From: Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the merger recognized by the Bureau of Land Management, Colorado State Office. We have updated our records to reflect the merger from Westport Oil and Gas Company L.P. into Kerr-McGee Onshore Oil and Gas Company. The merger was approved effective January 4, 2006.

Chief, Branch of  
Fluid Minerals

### Enclosure

Approval letter from BLM COSO (2 pp)

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare  
Dave Mascarenas  
Susan Bauman

RECEIVED

MAR 28 2006

DIV. OF OIL, GAS & MINERALS

400677

RECEIVED

Form 3160-3  
(August 1999)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
FEB 03 2006  
BLM VERNAL, UTAH

FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-468	
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name	
2. Name of Operator KERR MCGEE OIL AND GAS ONSHORE LP		7. If Unit or CA Agreement, Name and No. NATURAL BUTTES	
3a. Address 1368 SOUTH 1200 EAST, VERNAL, UTAH 84078		8. Lease Name and Well No. NBU 1022-14M2-S	
3b. Phone No. (include area code) (435) 781-7003		9. API Well No. 43-047-37736	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SWSW 644' FSL 692' FWL At proposed prod. Zone 1275' FSL 160' FWL		10. Field and Pool, or Exploratory NATURAL BUTTES	
14. Distance in miles and direction from nearest town or post office* 27.35 MILES SOUTHEAST OF OURAY, UTAH		11. Sec., T., R., M., or Blk, and Survey or Area SEC 14-T10S-R22E	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 644'	16. No. of Acres in lease 320	17. Spacing Unit dedicated to this well 40	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C	19. Proposed Depth 8600'	20. BLM/BIA Bond No. on file CO-1203	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5264.3' GL	22. Approximate date work will start* UPON APPROVAL	23. Estimated duration TO BE DETERMINED	

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- |   |   |
|---|---|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).   |
| 2. A Drilling Plan.   | 5. Operator certification.  |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature 	Name (Printed/Typed) RAMEY HOOPES	Date 4/17/2006
Title REGULATORY CLERK		
Approved by (Signature) 	Name (Printed/Typed) JERRY KENZKA	Date 7-14-2006
Title Assistant Field Manager Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

CONDITIONS OF APPROVAL ATTACHED

NOTICE OF APPROVAL

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

RECEIVED

JUL 25 2006

DIV. OF OIL, GAS & MINING



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE  
170 South 500 East VERNAL, UT 84078 (435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

**Company:** Kerr-McGee Oil & Gas Onshore, LP      **Location:** SWSW, Sec. 14, T10S, R22E  
**Well No:** NBU 1022-14M2-S      **Lease No:** UTU-468  
**API No:** 43-047-37736      **Agreement:** Natural Buttes Unit

Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	Cell: 435-828-7875
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
Environmental Scientist:	Karl Wright	Office: 435-781-4484	
Natural Resource Specialist:	Holly Villa	Office: 435-781-4404	
Natural Resource Specialist:	Melissa Hawk	Office: 435-781-4476	
Natural Resource Specialist:	Chris Carusona	Office: 435-781-4441	
Natural Resource Specialist:	Scott Ackerman	Office: 435-781-4437	
<b>After Hours Contact Number: 435-781-4513</b>		Fax: 435-781-4410	

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

- |   |  |
|---|--|
| Location Construction<br>(Notify Holly Villa)               | - Forty-Eight (48) hours prior to construction of location and access roads.   |
| Location Completion<br>(Notify Holly Villa)                 | - Prior to moving on the drilling rig.   |
| Spud Notice<br>(Notify Petroleum Engineer)                  | - Twenty-Four (24) hours prior to spudding the well.   |
| Casing String & Cementing<br>(Notify Jamie Sparger SPT)     | - Twenty-Four (24) hours prior to running casing and cementing all casing strings.   |
| BOP & Related Equipment Tests<br>(Notify Jamie Sparger SPT) | - Twenty-Four (24) hours prior to initiating pressure tests.   |
| First Production Notice<br>(Notify Petroleum Engineer)      | - Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days. |

**SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

The lessee/operator is given notice that the project area is within 0.5 miles of Mexican Spotted Owl habitat. With this occurrence, no surface occupancy will be allowed until after the first season of surveys is completed. If no owls are detected after the first season of surveys, then construction and drilling may begin outside of the timing restriction March 15-June 15. The second season of surveys will still be required for these buffer areas.

The project area is within 0.5 miles of an unknown nest but is not in line-of site. With this occurrence there will be a time restriction to protect the raptor species nesting season from February 1-July 15. This notice may be waived, accepted, or modified by a qualified wildlife biologist if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated. The operator shall submit in such a request to the AO in writing. The exception request will be reviewed by the AO and a determination made.

The operator has agreed to have a double layer of liner and felt for the pit to avoid excessive contamination.

The following interim seed mixture shall be used:

Type		lbs./acre
Needle and Thread grass	<i>Stipa comata</i>	4
Crested Wheat grass	<i>Agropyron cristatum</i>	4
Indian Rice grass	<i>Stipa hymenoides</i>	4
** Seed shall be drilled; but if broadcasted double the pounds per acre used and work the solids mechanically to cover the seed.		

If paleontologic materials are uncovered during construction, the operator shall immediately stop work that might further disturb such materials and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation will be necessary for the discovered paleontologic material.

Following well plugging and abandonment, the location, access roads, pipelines, and other facilities shall be reclaimed. All disturbed surfaces shall be reshaped to approximate the original contour; the top soil respread over the surface; and, the surface revegetated. The surface of approved staging areas where construction activities did not occur may require disking or ripping and reseeded. The seed mixture for final reclamation will be determined at that time.

Other reclamation methods including but not limited to mulching or soil treatments may be required on a site-specific basis.

All well facilities will be painted Carlsbad Canyon.

Do not construct a diversion ditch, instead just dip the blade. See COAs for NBU 1022-14M.

## **DOWNHOLE CONDITIONS OF APPROVAL**

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

1. A surface casing shoe integrity test shall be performed.

### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

1. There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
2. The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
3. **Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.**
4. Blowout prevention equipment (BOPE) will remain in use until the well is completed or abandoned. Closing unit controls must remain unobstructed and readily accessible at all times. Choke manifolds must be located outside of the rig substructure.

All BOPE components will be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests must be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test must be reported in the driller's log.

BOP drills must be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

No aggressive/fresh hard-banded drill pipe shall be used within casing.

5. All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and a water analysis furnished the BLM, Vernal Field Office. All oil and gas shows will be adequately tested for commercial possibilities, reported, and protected.
6. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status

without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office must be obtained and notification given before resumption of operations.

7. Chronologic drilling progress reports must be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

Any change in the program must be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) must be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, will require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.

In accordance with 43 CFR 3162.4-3, this well must be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

8. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) will be submitted only when requested by the BLM, Vernal Field Office.

**Please submit an electronic copy of all logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM. The cement bond log must be submitted in raster format (TIF, PDF other).**

9. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the BLM, Vernal Field Office.

All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.

10. Oil and gas meters will be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be

submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.

11. A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
12. This APD is approved subject to the requirement that, shall the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - a. Operator name, address, and telephone number.
  - b. Well name and number.
  - c. Well location ( $\frac{1}{4}$  Sec., Twn, Rng, and P.M.).
  - d. Date well was placed in a producing status (date of first production for which royalty will be paid).
  - e. The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - f. The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - g. Unit agreement and / or participating area name and number, if applicable.
  - h. Communitization agreement number, if applicable.
13. Any venting or flaring of gas will be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
14. All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, will be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
15. Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the



end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

16. Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

## DIVISION OF OIL, GAS AND MINING

### **SPUDDING INFORMATION**

Name of Company: KERR-McGEE OIL & GAS ONSHORE LP

Well Name: NBU 1022-14M2-S

Api No: 43-047-37736 Lease Type: FEDERAL

Section 14 Township 10S Range 22E County UINTAH

Drilling Contractor PETE MARTIN RIG # BUCKET

### **SPUDDED:**

Date 09/15/06

Time 11:00 AM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by LOU WELDON

Telephone # (435) 781-7060

Date 09/19/06 Signed CHD

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 8

**ENTITY ACTION FORM**Operator: KERR MCGEE OIL & GAS ONSHORE LPOperator Account Number: N 2995Address: 1368 SOUTH 1200 EASTcity VERNALstate UTzip 84078Phone Number: (435) 781-7024**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304736256	LOVE 1121-16N		SESW	16	11S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<u>A</u>	99999	<u>15650</u>	9/17/2006		<u>9/21/06</u>		
Comments: <u>MIRU ROCKY MTN BUCKET RIG. MVRD</u> SPUD WELL LOCATION ON 09/17/2006 AT 1730 HRS							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304737736	NBU 1022-14M2-S		SWSW	14	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<u>B</u>	99999	<u>2900</u>	9/15/2006		<u>9/21/06</u>		
Comments: <u>MIRU PETE MARTIN BUCKET RIG. WSMVD</u> SPUD WELL LOCATION ON 09/15/2006 AT 1100 HRS.							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304736570	NBU 1022-14M		SWSW	14	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<u>B</u>	99999	<u>2900</u>	9/15/2006		<u>9/21/06</u>		
Comments: <u>MIRU PETE MARTIN BUCKET RIG. WSMVD</u> SPUD WELL LOCATION ON 09/15/2006 AT 1600 HRS.							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

(5/2000)

to <u>Earlene Russell</u>	From <u>Sheila Upchego</u>
Co./Dept <u>WIDOGM</u>	Co. <u>KMG</u>
Phone <u>(801) 638-5336</u>	Phone <u>(435) 781-7024</u>
Fax # <u>(801) 359-8940</u>	Fax # <u>(435) 781-7094</u>

SHEILA UPCHEGO

Name (Please Print)

Signature

REGULATORY ANALYST

Title

9/20/2006

Date

**RECEIVED****SEP 20 2006**

DIV. OF OIL, GAS &amp; MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

***Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.***

***SUBMIT IN TRIPLICATE – Other instructions on reverse side***

5. Lease Serial No.

UTU-468

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

UNIT #891008900A

NATURAL BUTTES UNIT

8. Well Name and No.

NBU 1022-14M2-S

9. API Well No.

4304737736

10. Field and Pool, or Exploratory Area

NATURAL BUTTES UNIT

11. County or Parish, State

UINTAH COUNTY, UTAH

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SWSW SEC. 14, T10S, R22E

SURFACE: 644'FSL, 692'FWL, BOTTOM: 1275'FSL, 160'FWL

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other SET SURFACE	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	CSG	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

MIRU BILL MARTIN JR'S AIR RIG ON 09/17/2006. DRILLED 12 1/4" SURFACE HOLE TO 2370'. RAN 9 5/8" 48 JTS OF 32.3# H-40 AND 10 JTS OF 36# J-55 SURFACE CSG. LEAD CMT W/200 SX HIFILL CLASS G @11.0 PPG 3.82 YIELD. TAILED CMT W/200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. TOP OUT W/125 SX CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE NO CMT TO SURFACE. 2ND TOP OUT W/125 SX CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE NO CMT TO SURFACE. 3RD TOP OUT W/140 SX CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE NO CMT TO SURFACE. 4TH TOP OUT W/310 SX CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE CMT TO SURFACE HOLE STAYED FULL. WORT.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Shelli Upchege

Title

Regulatory Analyst

Date

September 22, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

***Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.***

5. Lease Serial No.

UTU-468

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

UNIT #891008900A  
NATURAL BUTTES UNIT

8. Well Name and No.

NBU 1022-14M2-S

9. API Well No.

4304737736

10. Field and Pool, or Exploratory Area

NATURAL BUTTES UNIT

11. County or Parish, State

UINTAH COUNTY, UTAH

**SUBMIT IN TRIPLICATE – Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SWSW SEC. 14, T10S, R22E

SURFACE: 644'FSL, 692'FWL, BOTTOM: 1275'FSL, 160'FWL

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other FINAL DRILLING OPERATIONS
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

FINISHED DRILLING FROM 2370' TO 8330' ON 10/23/2006. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/300 SX PREM LITE II @11.0 PPG 3.38 YIELD. TAILED CMT W/1225 SX 50/50 POZ @14.3 PPG 1.31 YIELD. 129 BBL DISPLACEMENT BUMP PLUG 3000 PSI PLUG HOLDING FULL RETURNS 4 BBLs CMT TO SURFACE NIPPLE DOWN SET SLIPS W/88,000# WT CLEAN PITS.

RELEASED ENSIGN RIG 12 ON 10/24/2006 AT 0400 HRS.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Sheila Upchego

Title

Regulatory Analyst

Signature

Date

October 24, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED  
NOV 01 2006  
DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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**UNIT #891008900A**

**NATURAL BUTTES UNIT**

8. Well Name and No.

**NBU 1022-14M2-S**

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**4304737736**

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**UINTAH COUNTY, UTAH**

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<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Reclamation <input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction <input type="checkbox"/> Recomplete <input checked="" type="checkbox"/> Other <b>FINAL</b>
	<input type="checkbox"/> Change Plans <input type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abandon <b>DIRECTIONAL</b>
	<input type="checkbox"/> Convert to Injection <input type="checkbox"/> Plug Back <input type="checkbox"/> Water Disposal <b>SURVEY REPORT</b>

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE OPERATOR HAS PERFORMED AN DIRECTIONAL SURVEY FOR THE SUBJECT WELL LOCATION. ATTACHED IS THE DIRECTIONAL SURVEY REPORT WHICH INCLUDES THE FOLLOWING: WEATHERFORD FINAL SURVEY REPORT.

RECEIVED  
NOV 13 2006  
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

**Sheila Upchego**

Title

**Regulatory Analyst**

Signature

Date

**November 6, 2006**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)



**Weatherford<sup>®</sup>**

## **Drilling Services**

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## **Final Survey**

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**Anadarko<sup>®</sup>**



## **ANADARKO - KERR McGEE**

NBU#1022-14M2S

UINTAH COUNTY, UTAH

WELL FILE:Completion

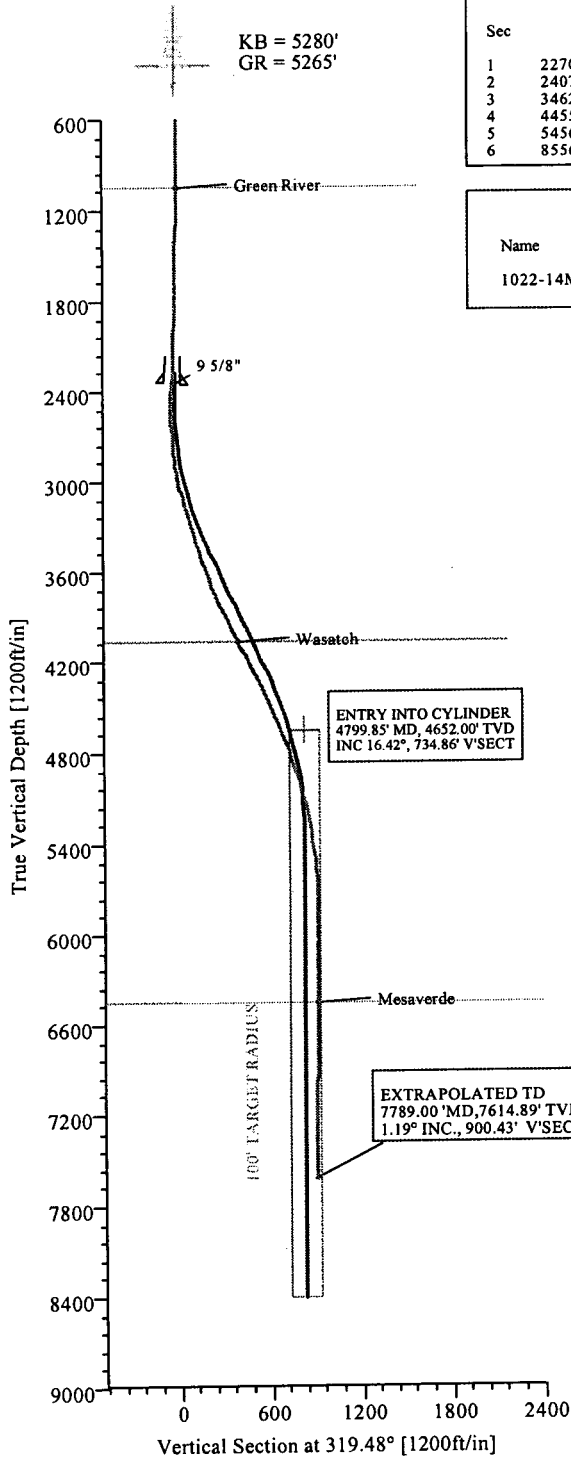
DATE: OCTOBER 23, 2006

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**Weatherford International, Ltd.**  
12690 Oil Drive  
Casper, Wyoming 82604 USA  
+1.307-265-1413 Main  
+1.307-235-3958 Fax  
[www.weatherford.com](http://www.weatherford.com)



KERR MCGEE OIL & GAS  
NBU #1022-14M2S  
UINTAH COUNTY, UTAH  
SEC 14-T10S-R22  
5265' GL + 15' KB Included

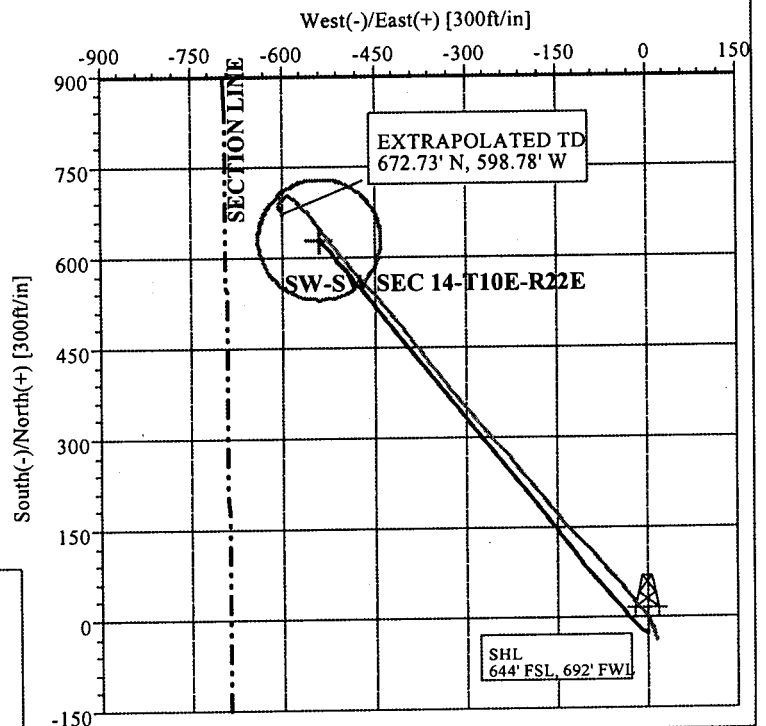
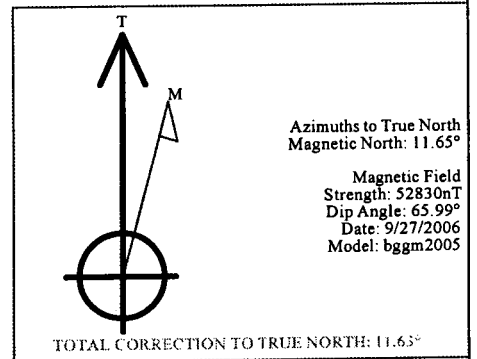


SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	2270.00	1.65	177.13	2269.66	-23.22	1.50	0.00	0.00	-18.63	TIE-IN
2	2407.00	1.65	177.13	2406.61	-27.16	1.70	0.00	0.00	-21.75	KOP
3	3462.15	25.03	321.19	3430.15	134.44	-139.93	2.50	146.03	193.11	HOLD
4	4455.77	25.03	321.19	4330.48	461.98	-403.36	0.00	0.00	613.26	DROP
5	5456.81	0.00	0.00	5300.00	629.65	-538.21	2.50	180.00	828.33	HOLD
6	8556.81	0.00	0.00	8400.00	629.65	-538.21	0.00	0.00	828.33	PBHL

WELL DETAILS								
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot	
1022-14M2S	0.00	0.00	14510072.51	2084930.72	39°56'36.230N	109°24'50.700W	N/A	

**SITE DETAILS**  
NBU 1022-14M PAD  
Site Centre Latitude: 39°56'36.230N  
Longitude: 109°24'50.700W  
Ground Level: 5265.00  
Positional Uncertainty: 0.00  
Convergence: 1.02

**FIELD DETAILS**  
Unitah County, UT  
Geodetic System: Universal Transverse Mercator (USfeet)  
Ellipsoid: GRS 1980  
Zone: UTM Zone 12, North 114W to 108W  
Magnetic Model: bggm2005  
System Datum: Mean Sea Level  
Local North: True North



NBU # 1022-14M2S  
Created By: Robert Vialpando Date: 10/23/2006  
COMPLETION  
CASPER WYOMING  
(307)-265-1413 Main  
(307)-235-3958 Fax



# Weatherford International

## Survey Report

<b>Company:</b> Kerr McGee <b>Field:</b> Uintah County, UT <b>Site:</b> NBU 1022-14M PAD <b>Well:</b> 1022-14M2S <b>Wellpath:</b> 1		<b>Date:</b> 10/23/2006 <b>Co-ordinate(NE) Reference:</b> Well: 1022-14M2S, True North <b>Vertical (TVD) Reference:</b> SITE 5280.0 <b>Section (VS) Reference:</b> Well (0.00N,0.00E,319.48Azi) <b>Survey Calculation Method:</b> Minimum Curvature		<b>Time:</b> 14:00:16 <b>Page:</b> 1 <b>Db:</b> Sybase
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<b>Field:</b> Uintah County, UT	
<b>Map System:</b> Universal Transverse Mercator (USfeet) <b>Geo Datum:</b> GRS 1980 <b>Sys Datum:</b> Mean Sea Level	<b>Map Zone:</b> UTM Zone 12, North 114W to 108W <b>Coordinate System:</b> Well Centre <b>Geomagnetic Model:</b> bggm2005

<b>Site:</b> NBU 1022-14M PAD	
<b>Site Position:</b> <b>From:</b> Geographic <b>Position Uncertainty:</b> 0.00 ft <b>Ground Level:</b> 5265.00 ft	<b>Northing:</b> 14510072.51 ft <b>Easting:</b> 2084930.72 ft <b>Latitude:</b> 39 56 36.230 N <b>Longitude:</b> 109 24 50.700 W <b>North Reference:</b> True <b>Grid Convergence:</b> 1.0184 deg

<b>Well:</b> 1022-14M2S		<b>Slot Name:</b>	
<b>Well Position:</b> +N/-S   0.00 ft +E/-W   0.00 ft <b>Position Uncertainty:</b> 0.00 ft	<b>Northing:</b> 14510072.51 ft <b>Easting :</b> 2084930.72 ft	<b>Latitude:</b> 39 56 36.230 N <b>Longitude:</b> 109 24 50.700 W	

<b>Wellpath:</b> 1		<b>Drilled From:</b> Surface	
<b>Current Datum:</b> SITE		<b>Tie-on Depth:</b> 0.00 ft	
<b>Magnetic Data:</b> 9/27/2006		<b>Above System Datum:</b> Mean Sea Level	
<b>Field Strength:</b> 52830 nT		<b>Declination:</b> 11.6466 deg	
<b>Vertical Section:</b> Depth From (TVD)		<b>Mag Dip Angle:</b> 65.9916 deg	
ft	+N/-S ft	+E/-W ft	Direction deg
0.00	0.00	0.00	319.48

<b>Survey:</b> Survey #3		<b>Start Date:</b> 10/13/2006	
<b>Company:</b> Weatherford International		<b>Engineer:</b> Robert Vialpando	
<b>Tool:</b> MWD;MWD - Standard		<b>Tied-to:</b> From Surface	

<b>Survey:</b> Survey #3										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	MWD
2409.00	1.88	155.88	2408.57	-36.07	16.15	-37.91	0.08	0.08	0.00	MWD
2441.00	1.75	158.38	2440.55	-37.00	16.54	-38.88	0.48	-0.41	7.81	MWD
2535.00	0.38	81.25	2534.54	-38.29	17.38	-40.40	1.81	-1.46	-82.05	MWD
2629.00	2.13	339.00	2628.51	-36.61	17.06	-38.92	2.38	1.86	-108.78	MWD
2690.00	3.31	338.13	2689.44	-33.92	16.00	-36.18	1.94	1.93	-1.43	MWD
2722.00	4.06	337.63	2721.38	-32.01	15.23	-34.23	2.35	2.34	-1.56	MWD
2754.00	5.00	341.25	2753.28	-29.64	14.35	-31.86	3.07	2.94	11.31	MWD
2785.00	5.81	345.00	2784.14	-26.85	13.51	-29.19	2.85	2.61	12.10	MWD
2817.00	6.50	347.63	2815.96	-23.52	12.70	-26.13	2.33	2.16	8.22	MWD
2849.00	7.06	341.00	2847.73	-19.89	11.67	-22.70	3.00	1.75	-20.72	MWD
2880.00	8.13	337.63	2878.46	-16.06	10.22	-18.84	3.74	3.45	-10.87	MWD
2912.00	9.25	336.88	2910.09	-11.60	8.34	-14.24	3.52	3.50	-2.34	MWD
2943.00	10.75	335.00	2940.62	-6.69	6.14	-9.08	4.95	4.84	-6.06	MWD
2974.00	12.00	329.63	2971.01	-1.29	3.29	-3.12	5.28	4.03	-17.32	MWD
3005.00	13.19	323.75	3001.27	4.35	-0.43	3.58	5.64	3.84	-18.97	MWD
3036.00	14.69	320.63	3031.35	10.24	-5.01	11.04	5.41	4.84	-10.06	MWD
3100.00	15.69	318.38	3093.12	22.98	-15.91	27.80	1.81	1.56	-3.52	MWD
3161.00	16.06	319.88	3151.79	35.60	-26.82	44.49	0.91	0.61	2.46	MWD
3233.00	16.63	320.63	3220.88	51.18	-39.78	64.75	0.84	0.79	1.04	MWD
3296.00	16.88	320.50	3281.21	65.21	-51.31	82.91	0.40	0.40	-0.21	MWD
3358.00	17.38	320.00	3340.45	79.24	-62.99	101.17	0.84	0.81	-0.81	MWD
3421.00	18.13	318.00	3400.45	93.74	-75.60	120.37	1.53	1.19	-3.17	MWD
3483.00	18.50	316.50	3459.31	108.04	-88.82	139.84	0.97	0.60	-2.42	MWD

# Weatherford International

## Survey Report

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Site: NBU 1022-14M PAD  
Well: 1022-14M2S  
Wellpath: 1

Date: 10/23/2006 Time: 14:00:16 Page: 2  
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Vertical (TVD) Reference: SITE 5280.0  
Section (VS) Reference: Well (0.00N,0.00E,319.48Azi)  
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: Survey #3

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
3546.00	18.81	314.50	3519.00	122.41	-102.95	159.94	1.13	0.49	-3.17	MWD
3609.00	19.31	316.00	3578.55	137.02	-117.43	180.46	1.11	0.79	2.38	MWD
3672.00	19.88	317.00	3637.90	152.35	-131.97	201.56	1.05	0.90	1.59	MWD
3734.00	21.44	319.50	3695.91	168.68	-146.52	223.42	2.89	2.52	4.03	MWD
3798.00	24.06	321.25	3754.93	187.75	-162.29	248.16	4.23	4.09	2.73	MWD
3861.00	24.63	321.25	3812.33	208.00	-178.54	274.12	0.90	0.90	0.00	MWD
3924.00	26.75	321.00	3869.10	229.26	-195.68	301.42	3.37	3.37	-0.40	MWD
3986.00	25.31	320.50	3924.81	250.33	-212.89	328.62	2.35	-2.32	-0.81	MWD
4049.00	25.38	320.13	3981.74	271.09	-230.12	355.58	0.27	0.11	-0.59	MWD
4112.00	25.63	318.88	4038.60	291.71	-247.73	382.71	0.94	0.40	-1.98	MWD
4176.00	26.88	319.50	4096.00	313.14	-266.23	411.02	2.00	1.95	0.97	MWD
4239.00	27.25	319.13	4152.10	334.88	-284.92	439.68	0.65	0.59	-0.59	MWD
4301.00	27.19	319.25	4207.24	356.35	-303.45	468.04	0.13	-0.10	0.19	MWD
4365.00	26.94	319.63	4264.23	378.47	-322.39	497.16	0.47	-0.39	0.59	MWD
4427.00	26.56	322.00	4319.59	400.09	-340.02	525.06	1.83	-0.61	3.82	MWD
4490.00	25.94	322.00	4376.10	422.05	-357.17	552.89	0.98	-0.98	0.00	MWD
4553.00	25.19	321.63	4432.93	443.42	-373.98	580.06	1.22	-1.19	-0.59	MWD
4615.00	24.56	321.88	4489.18	463.90	-390.12	606.12	1.03	-1.02	0.40	MWD
4678.00	23.69	321.38	4546.67	484.09	-406.11	631.85	1.42	-1.38	-0.79	MWD
4739.00	22.69	320.75	4602.74	502.78	-421.20	655.86	1.69	-1.64	-1.03	MWD
4803.00	21.94	320.50	4661.95	521.56	-436.62	680.15	1.18	-1.17	-0.39	MWD
4865.00	21.38	320.25	4719.57	539.19	-451.21	703.04	0.92	-0.90	-0.40	MWD
4930.00	20.56	319.63	4780.27	556.99	-466.18	726.30	1.31	-1.26	-0.95	MWD
4991.00	19.75	319.63	4837.53	573.01	-479.79	747.31	1.33	-1.33	0.00	MWD
5055.00	18.44	320.13	4898.01	589.01	-493.29	768.25	2.06	-2.05	0.78	MWD
5118.00	17.81	320.63	4957.88	604.11	-505.78	787.85	1.03	-1.00	0.79	MWD
5181.00	15.56	322.00	5018.22	618.22	-517.10	805.92	3.63	-3.57	2.17	MWD
5244.00	14.81	323.23	5079.03	631.33	-527.12	822.40	1.30	-1.19	1.95	MWD
5307.00	13.56	324.00	5140.10	643.75	-536.28	837.80	2.01	-1.98	1.22	MWD
5370.00	12.31	324.25	5201.50	655.18	-544.55	851.85	1.99	-1.98	0.40	MWD
5433.00	10.31	321.88	5263.28	665.06	-551.95	864.18	3.26	-3.17	-3.76	MWD
5496.00	10.00	319.13	5325.29	673.64	-559.01	875.28	0.91	-0.49	-4.37	MWD
5559.00	9.50	317.38	5387.38	681.60	-566.11	885.95	0.92	-0.79	-2.78	MWD
5623.00	8.94	317.63	5450.55	689.16	-573.04	896.20	0.88	-0.87	0.39	MWD
5686.00	7.81	314.50	5512.88	695.78	-579.39	905.35	1.93	-1.79	-4.97	MWD
5749.00	4.56	299.00	5575.51	699.99	-584.64	911.97	5.75	-5.16	-24.60	MWD
5812.00	3.50	282.88	5638.35	701.63	-588.70	915.86	2.45	-1.68	-25.59	MWD
5875.00	2.50	262.50	5701.27	701.88	-591.94	918.15	2.30	-1.59	-32.35	MWD
5937.00	1.56	247.75	5763.23	701.39	-594.06	919.15	1.72	-1.52	-23.79	MWD
6000.00	1.44	239.00	5826.21	700.66	-595.53	919.55	0.41	-0.19	-13.89	MWD
6063.00	1.31	245.25	5889.19	699.95	-596.87	919.88	0.31	-0.21	9.92	MWD
6126.00	1.13	249.13	5952.18	699.42	-598.10	920.28	0.31	-0.29	6.16	MWD
6189.00	1.00	223.25	6015.17	698.80	-599.06	920.43	0.78	-0.21	-41.08	MWD
6252.00	1.06	219.50	6078.16	697.95	-599.81	920.27	0.14	0.10	-5.95	MWD
6315.00	1.00	218.00	6141.15	697.07	-600.51	920.06	0.10	-0.10	-2.38	MWD
6409.00	1.06	219.00	6235.13	695.75	-601.57	919.74	0.07	0.06	1.06	MWD
6503.00	0.75	206.75	6329.12	694.52	-602.39	919.34	0.39	-0.33	-13.03	MWD
6597.00	1.00	203.50	6423.11	693.22	-602.99	918.74	0.27	0.27	-3.46	MWD
6691.00	1.13	191.75	6517.09	691.56	-603.51	917.82	0.27	0.14	-12.50	MWD
6786.00	1.06	191.63	6612.07	689.78	-603.88	916.71	0.07	-0.07	-0.13	MWD
6880.00	1.25	192.50	6706.05	687.93	-604.28	915.56	0.20	0.20	0.93	MWD
6975.00	1.25	185.75	6801.03	685.89	-604.60	914.22	0.15	0.00	-7.11	MWD
7068.00	0.94	183.75	6894.02	684.12	-604.75	912.97	0.34	-0.33	-2.15	MWD

# Weatherford International

## Survey Report

**Company:** Kerr McGee  
**Field:** Uintah County, UT  
**Site:** NBU 1022-14M PAD  
**Well:** 1022-14M2S  
**Wellpath:** 1

**Date:** 10/23/2006      **Time:** 14:00:16      **Page:** 3  
**Co-ordinate(NE) Reference:** Well: 1022-14M2S, True North  
**Vertical (TVD) Reference:** SITE 5280.0  
**Section (VS) Reference:** Well (0.00N,0.00E,319.48Azi)  
**Survey Calculation Method:** Minimum Curvature      **Db:** Sybase

**Survey:** Survey #3

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
7163.00	0.94	165.50	6989.00	682.58	-604.61	911.71	0.31	0.00	-19.21	MWD
7257.00	1.06	140.38	7082.99	681.17	-603.86	910.15	0.48	0.13	-26.72	MWD
7351.00	0.81	138.75	7176.98	680.00	-602.87	908.61	0.27	-0.27	-1.73	MWD
7446.00	1.00	135.00	7271.96	678.91	-601.84	907.12	0.21	0.20	-3.95	MWD
7541.00	1.19	149.63	7366.95	677.47	-600.76	905.32	0.35	0.20	15.40	MWD
7635.00	1.19	157.38	7460.93	675.73	-599.89	903.43	0.17	0.00	8.24	MWD
7729.00	1.19	160.63	7554.91	673.91	-599.19	901.59	0.07	0.00	3.46	MWD
7789.00	1.19	160.63	7614.89	672.73	-598.78	900.43	0.00	0.00	0.00	EXTRAPOLATED TD

### Annotation

MD ft	TVD ft	
7789.00	7614.89	EXTRAPOLATED TD

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.

UTU-468

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

UNIT #891008900A  
NATURAL BUTTES UNIT

8. Well Name and No.

NBU 1022-14M2-S

9. API Well No.

4304737736

10. Field and Pool, or Exploratory Area

NATURAL BUTTES UNIT

11. County or Parish, State

UINTAH COUNTY, UTAH

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SWSW SEC. 14, T10S, R22E

SURFACE: 644'FSL, 692'FWL, BOTTOM: 1275'FSL, 160'FWL

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other WELL SPUD
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 09/15/2006 AT 1100 HRS.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Sheila Upchego

Title

Regulatory Analyst

Signature

Date

September 20, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

OCT 11 2006

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

**Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE – Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

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SURFACE: 644'FSL, 692'FWL, BOTTOM: 1275'FSL, 160'FWL

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UNIT #891008900A

NATURAL BUTTES UNIT

8. Well Name and No.

NBU 1022-14M2-S

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NATURAL BUTTES UNIT

11. County or Parish, State

UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other PRODUCTION
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	START-UP
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 12/21/2006 AT 10:00 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Sheila Upchego

Signature

Title

Regulatory Analyst

Date

January 4, 2007

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED

JAN 11 2007

DIV. OF OIL, GAS & MINING

Anadarko Petroleum Corporation  
1368 S. 1200 East  
Vernal, UT 84078

## CHRONOLOGICAL WELL HISTORY

**NBU 1022-14M2-S**  
SWSW, 14-10S-22E  
UINTAH COUNTY, UT

**BUILD LOCATION: AFE# 806072D**

DATE	Activity	Status
09/05/06	Build Location, 35% complete Caza 12	
09/06/06	Build Location, 45% complete Caza 12	
09/07/06	Build Location, 45% complete Caza 12	
09/08/06	Build Location, 45% complete Caza 12	DRLG
09/11/06	Build Location, 45% complete Caza 12	DRLG
09/12/06	Build Location, 55% complete Caza 12	
09/13/06	Build Location, 65% complete Caza 12	
09/14/06	Build Location, 85% complete Caza 12	
09/15/06	2333'@ 9 5/8 SET CONDUCTOR Caza 12	
09/17/06	AIR RIG SPUD Caza 12	
10/07/06	TD: 2370' Csg. 9 5/8"@ 2348' MW: 8.4 SD: 10/XX/06 DSS: 0 Move to NBU 1022-14M-2S. Set in rig and RURT. Move delayed due to weather.	
10/10/06	TD: 2370' Csg. 9 5/8"@ 2348' MW: 8.4 SD: 10/XX/06 DSS: 0 Finish RURT. NU and test BOPE. PU directional tools and BHA. Test directional tools and emitting tool failed. WO tools. PU drill pipe @ report time.	
10/11/06	TD: 3075' Csg. 9 5/8"@ 2348' MW: 8.5 SD: 10/10/06 DSS: 1 Finish PU drill pipe. Drill FE. Directional Drill from 2333'-3075'. Survey @ 2974'MD/2971'TVD, 12 deg, 329 azi. DA @ report time.	
10/12/06	TD: 3542' Csg. 9 5/8"@ 2348' MW: 8.8 SD: 10/10/06 DSS: 2 Directional Drill from 3075'-3221'. Trip for PDC bit. Drill to 3542'. Survey @ 3421'MD/3400'TVD, 18.0° inc, 318 azi. DA @ report time.	
10/13/06	TD: 4175' Csg. 9 5/8"@ 2348' MW: 8.8 SD: 10/10/06 DSS: 3	

Directional Drill from 3542'-4175'. Survey @ 4049'MD/3981'TVD, 25.4° inc, 320 azi. DA @ report time.

10/16/06

TD: 5535' Csg. 9 5/8"@ 2348' MW: 9.4 SD: 10/10/06 DSS: 6  
Directional Drill from 4175'-5398'. Repair rig. Drill to 5404'. TFNB and MM. Drill and slide to 5535'. Survey @ 5430'MD/5260'TVD, 10.3° inc, 322 azi. DA @ report time.

10/17/06

TD: 5755' Csg. 9 5/8"@ 2348' MW: 9.4 SD: 10/10/06 DSS: 7  
Drill and slide from 5535'-5683'. Trip for tri-cone bit. TIH to shoe and check MWD. POOH and reset MWD. TIH and drill to 5755'. Survey @ 5623'MD/5450'TVD, 8.9° inc, 317 azi. DA @ report time.

10/18/06

TD: 5938' Csg. 9 5/8"@ 2348' MW: 9.7 SD: 10/10/06 DSS: 8  
Drill and slide from 5755'-5938'. Survey @ 5875'MD, 2.5° inc, 262 azi. Trip for PDC bit @ report time.

10/19/06

TD: 6460' Csg. 9 5/8"@ 2348' MW: 9.9 SD: 10/10/06 DSS: 9  
TFNB. Drill and slide from 5938'-6430'. Survey @ 6315'MD, 1.0° inc, 218 azi. DA @ report time.

10/20/06

TD: 7270' Csg. 9 5/8"@ 2348' MW: 10.2 SD: 10/10/06 DSS: 10  
Drill and slide from 6460'-7270'. Survey @ 7163'MD, 0.9° inc, 165 azi. DA @ report time.

10/23/06

TD: 8330' Csg. 9 5/8"@ 2348' MW: 10.7 SD: 10/10/06 DSS: 13  
Drill from 7270'-7795'. TFNB and lay down directional tools. Drill from 7795'-8330' TD. CCH and short trip 10 stds. CCH and POOH laying down DP @ report time.

10/24/06

TD: 8330' Csg. 9 5/8"@ 2348' MW: 10.7 SD: 10/10/06 DSS: 14  
Finish laying down drill string. Run and cement 4 1/2" Production Casing. Set slips and release rig @ 0400 hrs 10/24/06. RDRT @ report time.

10/25/06

TD: 8330' Csg. 9 5/8"@ 2348' MW: 10.7 SD: 10/10/06 DSS: 15  
RD, ready for trucks.

12/11/06

#### FRAC

Days On Completion:1

Remarks: 7:00 AM. HSM. MIRU CUTTERS & SCHLUMBERGER TO PERFORATE & FRAC  
PRESSURE TEST PUMPS & LINES TO 8540 PSI.

STG 1) RIH W/3 3/8" EXP GNS, 23 GRM, .36 HOLES 90 & 120 DEG PHASING. PERFORATE 8,120' - 24' 4 SPF, 8,086' - 91' 3 SPF, 8,006' - 08' 4 SPF, 7,954' - 56', 3 SPF, 45 HOLES. WHP 970 PSI, BRK DWN PERF'S @ 3,808 PSI, @ 5.2 BPM, ISIP 2,550 PSI, FG .75. PMP 100 BBLS @ 50 BPM @ 5,300 PSI = 44 OF 45 HOLES OPEN. MP 7.126 PSI, MR 50.6 BPM, AP 4,237 PSI, AR 47.9 BPM, ISIP 2,756 PSI, FG .78, NPI 201 PSI, PMP 1,791 BBLS SLICK WATER & 62,700 LBS PROP LAST 5,000 LBS 20/40 RESIN COATED SAND. PRESSURE TEST LINES.

STG 2) RIH W/3 3/8" EXP GNS, 23 GRM, .36 HOLES 90 DEG PHASING. SET 8K BAKER CBP @ 7,400' & PERFORATE 7,350' - 56' 4 SPF, 7,279' - 83' 4 SPF, 40 HOLES. WHP 554 PSI,

BRK DWN PERF'S @ 3,370 PSI, @ 5.3 BPM, ISIP 2,004 PSI, FG .71, PMP 100 BBLS @ 50.8 BPM @ 4,650 PSI = 40 OF 40 HOLES OPEN. MP 4,784 PSI, MR 50.9 BPM, AP 3,798 PSI, AR 46.2 BPM, ISIP 2,305 PSI, FG .75, NPI 301 PSI, PMP 764 BBLS SLICK WATER & 26,600 LBS PROP LAST 5,000 LBS 20/40 RESIN COATED SAND.

STG 3) RIH W/3 3/8" EXP GNS, 23 GRM, .36 HOLES 90 & 120 DEG PHASING. SET 8K BAKER CBP @ 7,185' & PERFORATE 7,144' - 49' 4 SPF, 7,044' - 47' 3 SPF, 6,906' - 09' 3 SPF, 6,874' - 76' 3 SPF, 44 HOLES. SWI, SDFN.

12/12/06

**FRAC**

Days On Completion: 2

Remarks: 7:00 AM. HSM. PRESSURE TEST PUMPS & LINES

STG 3) WHP 724 PSI, BRK DWN PERF'S @ 1,921 PSI, @ 5.2 BPM, ISIP 1,300 PSI, FG .62. PMP 100 BBLS @ 54.7 BPM @ 4,200 PSI = 44 OF 44 HOLES OPEN. MP 4,416 PSI, MR 54.9 BPM, AP 4,032 PSI, AR 52.7 BPM, ISIP 2,585 PSI, FG .80, NPI 1,285 PSI, PMP 2,670 BBLS SLICK WATER & 107,800 LBS PROP LAST 5,000 LBS 20/40 RESIN COATED SAND.

STG 4) RIH W/3 3/8" EXP GNS, 23 GRM, .36 HOLES 90 DEG PHASING. SET 8K BAKER CBP @ 6,600', PERFORATE 6,560' - 70' 4 SPF, 40 HOLES. WHP 347 PSI, BRK DWN PERF'S @ 3,536 PSI, @ 5.3 BPM, ISIP 2,164 PSI, FG .76. PMP 100 BBLS @ 52.2 BPM @ 4,711 PSI = 40 OF 40 HOLES OPEN. MP 4,818 PSI, MR 52.4 BPM, AP 4,046 PSI, AR 49.2 BPM, ISIP 2,455 PSI, FG .81, NPI 291 PSI, PMP 581 BBLS SLICK WATER & 19,700 LBS PROP LAST 5,000 LBS 20/40 RESIN COATED SAND.

STG 5) RIH W/3 3/8" EXP GNS, 23 GRM, .36 HOLES 90 DEG PHASING. SET 8K BAKER CBP @ 6,223', PERFORATE 6,188' - 93' 4 SPF, 6036 - 41 4SPF 40 HOLES. WHP 208 PSI, BRK DWN PERF'S @ 2,329 PSI, @ 5.3 BPM, ISIP 1,461 PSI, FG .67. PMP 100 BBLS @ 51.9 BPM @ 3,815 PSI = 40 OF 40 HOLES OPEN. MP 3,960 PSI, MR 52.2 BPM, AP 3,308 PSI, AR 49.1 BPM, ISIP 2,081 PSI, FG .77, NPI 620 PSI, PMP 582 BBLS SLICK WATER & 20,650 LBS PROP LAST 5,000 LBS 20/40 RESIN COATED SAND.

STG 6) RIH W/3 3/8" EXP GNS, 23 GRM, .36 HOLES 90 DEG PHASING. SET 8K BAKER CBP @ 5,005', PERFORATE 4,901' - 05' 3 SPF, 4,845' - 50' 4SPF, 4,765' - 68' 4 SPF 44 HOLES. SWI, SDFN.

12/13/06

**FRAC**

Days On Completion: 3

Remarks: 7:00 AM. HSM. PRESSURE TEST LINES

STG 6 ) WHP 358 PSI, BRK DWN PERF'S @ 2,571 PSI, @ 5.3 BPM, ISIP 869 PSI, FG .61 PMP 100 BBLS @ 52.2 BPM @ 3,500 PSI = 42 OF 44 HOLES OPEN. MP 2,571 PSI, MR 52.7 BPM, AP 3,149 PSI, AR 48.9 BPM, ISIP 1,600 PSI, FG .76 NPI 731 PSI, PMP 1,199 BBLS SLICK WATER & 46,700 LBS PROP LAST 5,000 LBS 20/40 RESIN COATED SAND KILL PLUG ) RIH SET 8K BAKER CBP @ 4,715'

12/19/06

**D/O CBPS**

Days On Completion: 9

Remarks : 7:00 A.M. HSM. SICP 1500#, BLEED PSI OFF. CONT TO RIH. TAG FILL @ 6193', (30' FILL). C/O TO 3RD CBP @ 6223'. DRL UP 3RD CBP IN 10 MIN. (0# PSI INC). CONT TO RIH. TAG FILL @ 6570', (30' FILL). C/O TO 4TH CBP @ 6600' DRL UP 4TH CBP IN 10 MIN. (400# PSI INC). CONT TO RIH. TAG FILL @ 7155', (30' FILL). C/O TO 5TH CBP @ 7185'. DRL UP 5TH CBP IN 8 MIN. (200# PSI INC). CONT TO RIH. TAG FILL @ 7340'. (60' FILL). C/O TO 6TH CBP @ 7400'. DRL UP 6TH CBP IN 12 MIN. (200# PSI INC). CONT TO RIH. TAG FILL @ 8123' (100' FILL). C/O TO PBTD @ 8228', CIRC WELL CLEAN. R/D DRL EQUIP. POOH L/D 35 JTS ON TRAILER. LUBRICATE TBG HANGER INTO WELL. LAND



TBG W/ EOT @ 7314'. NDBOP. NUWH. DROP BALL. PMP OFF THE BIT SUB @ 1800#.  
R/U FLOW BACK EQUIP. TURN OVER TO FLOW BACK CREW. @ 2:00 P.M. SICP 1200#, FTP  
50#

12/20/06

**D/O CBP'S**

Days On Completion: 10

Remarks : 7:00 A.M. HSM. MIRU. NDWH. NUBOPE. PREP & TALLY 2 3/8" L-80 8RD  
TBG. P/U 3 7/8" SMITH BIT, POBS & RIH P/U TBG OFF TRAILER. TAG FILL @ 5150', (10'  
FILL). R/U DRL EQUIP. R/U PMP & LINES. BRK CONV CIRC & BEG TO DRL.  
DRL UP KILL PLUG @ 5160' IN 10 MIN. (100# PSI INC). CONT TO RIH. TAG FILL @ 5280'  
(30' FILL). C/O TO 2ND CBP @ 5310'.  
DRL UP 2ND CBP IN 12 MIN. (200# PSI INC). CONT TO RIH. TAG FILL @ 6340', (30' FILL).  
C/O TO 3RD CBP @ 6370'.  
DRL UP 3RD CBP IN 10 MIN. (100# PSI INC). CONT TO RIH. TAG FILL @ 6679'. (30' FILL).  
C/O TO 4TH CBP @ 6709'.  
DRL UP 4TH CBP IN 8 MIN. (500# PSI INC). CONT TO RIH. TAG FILL @ 7305', (30' FILL).  
C/O TO 5TH CBP @ 7335'.  
DRL UP 5TH CBP IN 10 MIN. (600# PSI INC). CONT TO RIH. TAG FILL @ 7690'. (30' FILL).  
C/O TO 6TH CBP @ 7720'.  
DRL UP 6TH CBP IN 10 MIN. (200# PSI INC). CONT TO RIH. TAG FILL @ 7986'. (30' FILL).  
C/O TO 7TH CBP @ 8016'.  
DRL UP 7TH CBP IN 12 MIN. (600# PSI INC). CONT TO RIH W/ 1 JT TBG. EOT @ 8025'.  
WINTERIZE W.H. SWI. SDFN  
**FLOW BACK REPORT:** CP: 2100#, TP: 850#, 50 BWPH, 20/64 CHK, TTL BBLS FLWD: 970,  
TODAYS LTR: 4817 BBLS, TTL REC'D: 970

12/21/06

**FLOW BACK REPORT:** CP: 2100#, TP: 800#, 40 BWPH, 20/64 CHK, TTL BBLS FLWD: 1035,  
TODAYS LTR: 3782 BBLS, TTL REC'D: 2005  
**WELL WENT ON SALES:** @ 10:00 A.M., 950 TBG, 2000 CSG, 20/64 CK, 1200 MCF, 40 BBLS  
WTR.  
**ON SALES:** 844 MCF, 0 BC, 400 BW, TP: 550#, CP: 1675#, 20/64 CHK, 18 HRS, LP: 401#.

12/22/06

**FLOW BACK REPORT:** CP: 1675#, TP: 550#, 25 BWPH, 20/64 CHK, TTL BBLS FLWD: 660,  
TODAYS LTR: 3122 BBLS, TTL LOAD REC'D: 2665 BBLS.  
**ON SALES:** 2946 MCF, 0 BC, 480 BW, TP: 625#, CP: 1550#, 20/64 CHK, 24 HRS, LP: 454#.

12/23/06

**FLOW BACK REPORT:** CP: 1550#, TP: 625#, 20 BWPH, 20/64 CHK, TTL BBLS FLWD: 550,  
TODAYS LTR: 2572 BBLS, TTL LOAD REC'D: 3215 BBLS.  
**ON SALES:** 3586 MCF, 0 BC, 480 BW, TP: 675#, CP: 1500#, 20/64 CHK, 24 HRS, LP: 469#.

12/24/06

**FLOW BACK REPORT:** CP: 1500#, TP: 675#, 20 BWPH, 20/64 CHK, TTL BBLS FLWD: 480,  
TODAYS LTR: 2092 BBLS, TTL LOAD REC'D: 3695 BBLS.  
**ON SALES:** 3906 MCF, 0 BC, 480 BW, TP: 700#, CP: 1400#, 20/64 CHK, 24 HRS, LP: 501#.

12/25/06

**FLOW BACK REPORT:** CP: 1400#, TP: 700#, 18 BWPH, 20/64 CHK, TTL BBLS FLWD: 432,  
TODAYS LTR: 1660 BBLS, TTL LOAD REC'D: 4127 BBLS.  
**ON SALES:** 3825 MCF, 0 BC, 360 BW, TP: 700#, CP: 1375#, 20/64 CHK, 24 HRS, LP: 481#.

12/26/06

**FLOW BACK REPORT:** CP: 1375#, TP: 700#, 15 BWPH, 20/64 CHK, TTL BBLS FLWD: 360,  
TODAYS LTR: 3767 BBLS, TTL LOAD REC'D: 4487 BBLS.  
**ON SALES:** 3728 MCF, 0 BC, 360 BW, TP: 650#, CP: 1300#, 20/64 CHK, 24 HRS, LP: 490#.

12/27/06

**FLOW BACK REPORT:** CP: 1300#, TP: 650#, 15 BWPH, 20/64 CHK, TTL BBLS FLWD: 360,  
TODAYS LTR: 3407 BBLS, TTL LOAD REC'D: 4847 BBLS.  
**ON SALES:** 2487 MCF, 0 BC, 360 BW, TP: 1103#, CP: 1500#, 20/64 CHK, 24 HRS, LP: 475#.

12/28/06	ON SALES: 2623 MCF, 0 BC, 350 BW, TP: 1032#, CP: 1492#, 20/64 CHK, 24 HRS, LP: 478#.
12/29/06	ON SALES: 2623 MCF, 0 BC, 350 BW, TP: 1032#, CP: 1492#, 20/64 CHK, 24 HRS, LP: 478#.
12/30/06	ON SALES: 2623 MCF, 0 BC, 350 BW, TP: 1032#, CP: 1492#, 20/64 CHK, 24 HRS, LP: 478#.
12/31/06	ON SALES: 2584 MCF, 0 BC, 330 BW, TP: 978#, CP: 1464#, 20/64 CHK, 24 HRS, LP: 505#.
01/01/07	ON SALES: 2557 MCF, 0 BC, 330 BW, TP: 983#, CP: 1450#, 20/64 CHK, 24 HRS, LP: 499#.
01/02/07	ON SALES: 2509 MCF, 0 BC, 310 BW, TP: 966#, CP: 1440#, 20/64 CHK, 24 HRS, LP: 476#.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED  
OMB NO. 1004-0137  
Expires: November 30, 2000

5. Lease Serial No.

UTU-468

1a. Type of Well ☐ Oil Well ☒ Gas ☐ Dry Other  
b. Type of Completion: ☒ New ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other \_\_\_\_\_

2. Name of Operator

KERR McGEE OIL & GAS ONSHORE LP

3. Address

1368 SOUTH 1200 EAST VERNAL, UTAH 84078

3a. Phone No. (include area code)

(435)-781-7024

4. Location of Well (Report locations clearly and in accordance with Federal requirements)\*

At surface SWSW 644'FSL, 692'FWL

At top prod. interval reported below SWSW 644'FSL, 692'FWL

At total depth

SWSW 1275'FSL, 160'FWL

14. Date Spudded

09/15/06

15. Date T.D. Reached

10/23/06

16. Date Completed

☐ D & A ☒ Ready to Prod.  
12/21/06

18. Total Depth: MD 8330'  
TVD 8156'

19. Plug Back T.D.: MD 8228'  
TVD 8054'

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

CBL-CCL-GR

22. Was well cored? ☒ No ☐ Yes (Submit copy)  
Was DST run? ☒ No ☐ Yes (Submit copy)  
Directional Survey? ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	14"	36.7#		40'		28 SX			
12 1/4"	9 5/8"	32.3# 36#	H-40 J-55	2370'		1100 SX			
7 7/8"	4 1/2"	11.6#		8330'		1525 SX			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Set (MD)
2 3/8"	7314'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	4765'	6193'	4765'-6193'	0.36	84	OPEN
B) MESAVERDE	6560'	8124'	6560'-8124'	0.36	169	OPEN
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and type of Material
4765'-6193'	PMP 1781 BBLs SLICK H2O & 67,350# 30/50 JORDAN SD
6560'-8124'	PMP 5806 BBLs SLICK H2O & 216,800# 30/50 JORDAN SD

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28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/21/06	12/24/06	24	→	0	3,906	480			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. 700#	Csg. Press. 1400#	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
20/64	SI	1400#	→	0	3906	480			PRODUCING GAS WELL

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/21/06	12/24/06	24	→	0	3906	480			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. 700#	Csg. Press. 1400#	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
20/64	SI	1400#	→	0	3906	480			PRODUCING GAS WELL

(See instructions and spaces for additional data on reverse side)

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

## 29. Disposition of Gas (Sold, used for fuel, vented, etc.)

SOLD

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
WASATCH MESAVERDE	4146' 6493'	6493'			

## 32. Additional remarks (include plugging procedure):

## 33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)      2. Geologic Report      3. DST Report      4. Directional Survey  
5. Sundry Notice for plugging and cement verification      5. Core Analysis      7. Other:

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) SHEILA UPCHEGO

Title SENIOR LAND ADMIN SPECIALIST

Signature

Date 1/18/2007

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

*Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE – Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SWSW SEC. 14, T10S, R22E

SURFACE: 644'FSL, 692'FWL, BOTTOM: 1275'FSL, 160'FWL

5. Lease Serial No.

UTU-468

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

UNIT #891008900A

NATURAL BUTTES UNIT

8. Well Name and No.

NBU 1022-14M2-S

9. API Well No.

4304737736

10. Field and Pool, or Exploratory Area

NATURAL BUTTES UNIT

11. County or Parish, State

UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>DIRECTIONAL</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<b>DRILL SURVEY</b>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

A FINAL DIRECTIONAL DRILL SURVEY WAS PERFORMED AND COMPLETED FOR THE SUBJECT WELL LOCATION

PLEASE REFER TO THE ATTACHED FINAL DIRECTIONAL DRILL SURVEY.

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JAN 29 2007

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Sheila Upcheggo

Signature

Title

Regulatory Analyst

Date

January 26, 2007

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)



**Weatherford®**

## **Drilling Services**

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## **Final Survey**

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## **ANADARKO - KERR McGEE**

NBU#1022-14M2S

UINTAH COUNTY, UTAH

WELL FILE:Completion

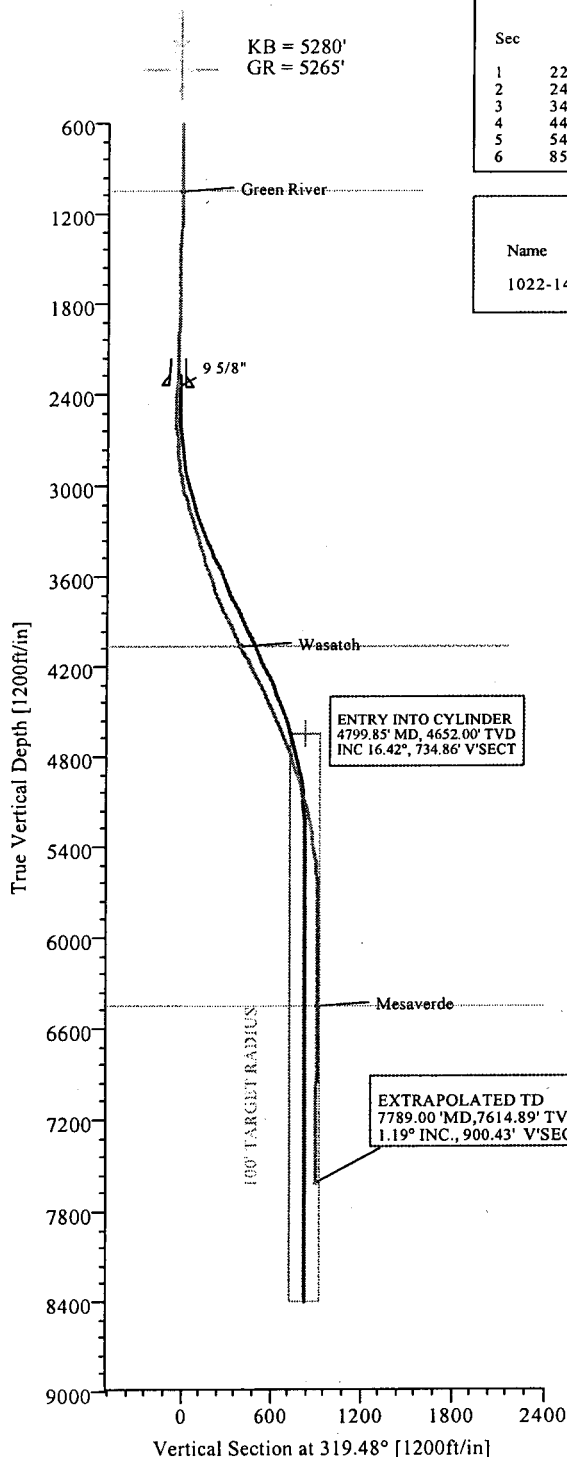
DATE: OCTOBER 23, 2006

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**Weatherford International, Ltd.**  
12690 Oil Drive  
Casper, Wyoming 82604 USA  
+1.307-265-1413 Main  
+1.307-235-3958 Fax  
[www.weatherford.com](http://www.weatherford.com)



KERR MCGEE OIL & GAS  
NBU #1022-14M2S  
UINTAH COUNTY, UTAH  
SEC 14-T10S-R22  
5265' GL + 15' KB Included

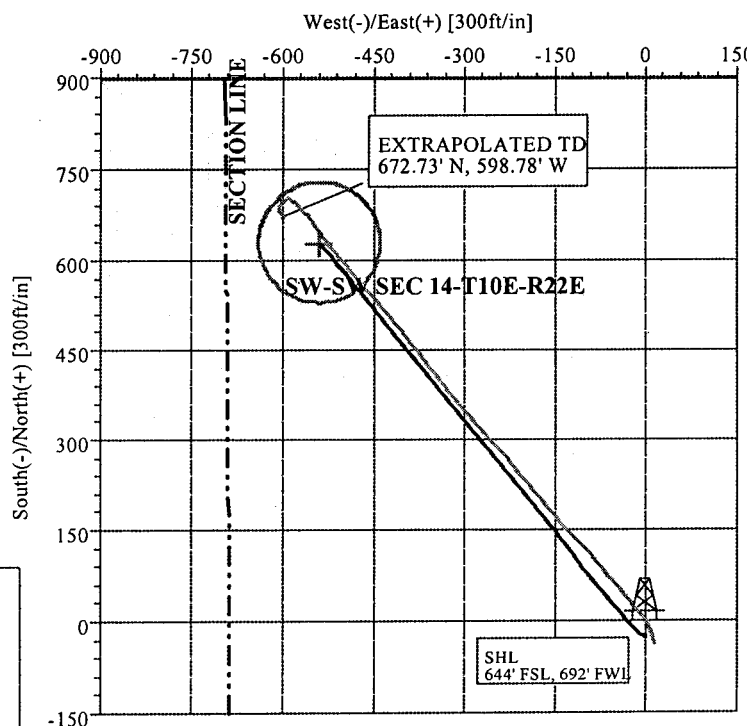
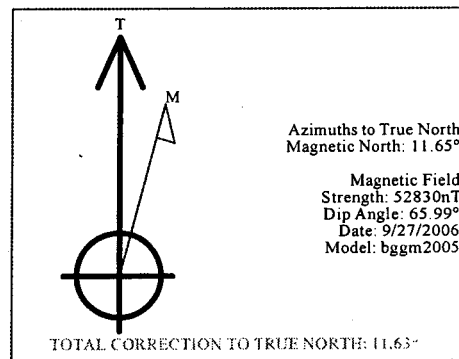


SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	2270.00	1.65	177.13	2269.66	-23.22	1.50	0.00	0.00	-18.63	TIE-IN
2	2407.00	1.65	177.13	2406.61	-27.16	1.70	0.00	0.00	-21.75	KOP
3	3462.15	25.03	321.19	3430.15	134.44	-139.93	2.50	146.03	193.11	HOLD
4	4455.77	25.03	321.19	4330.48	461.98	-403.36	0.00	0.00	613.26	DROP
5	5456.81	0.00	0.00	5300.00	629.65	-538.21	2.50	180.00	828.33	HOLD
6	8556.81	0.00	0.00	8400.00	629.65	-538.21	0.00	0.00	828.33	PBHL

WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
1022-14M2S	0.00	0.00	14510072.51	2084930.72	39°56'36.230N	109°24'50.700W	N/A

**SITE DETAILS**  
NBU 1022-14M PAD  
Site Centre Latitude: 39°56'36.230N  
Longitude: 109°24'50.700W  
Ground Level: 5265.00  
Positional Uncertainty: 0.00  
Convergence: 1.02

**FIELD DETAILS**  
Unitah County, UT  
Geodetic System: Universal Transverse Mercator (USfeet)  
Ellipsoid: GRS 1980  
Zone: UTM Zone 12, North 114W to 108W  
Magnetic Model: bggm2005  
System Datum: Mean Sea Level  
Local North: True North



NBU # 1022-14M2S  
Created By: Robert Vialpando Date: 10/23/2006  
COMPLETION  
CASPER WYOMING  
(307)-265-1413 Main  
(307)-235-3958 Fax

# Weatherford International

## Survey Report

<b>Company:</b> Kerr McGee <b>Field:</b> Utah County, UT <b>Site:</b> NBU 1022-14M PAD <b>Well:</b> 1022-14M2S <b>Wellpath:</b> 1	<b>Date:</b> 10/23/2006 <b>Time:</b> 14:00:16 <b>Page:</b> 1 <b>Co-ordinate(NE) Reference:</b> Well: 1022-14M2S, True North <b>Vertical (TVD) Reference:</b> SITE 5280.0 <b>Section (VS) Reference:</b> Well (0.00N,0.00E,319.48Azi) <b>Survey Calculation Method:</b> Minimum Curvature <b>Db:</b> Sybase
---	--

<b>Field:</b> Utah County, UT	
<b>Map System:</b> Universal Transverse Mercator (USfeet) <b>Geo Datum:</b> GRS 1980 <b>Sys Datum:</b> Mean Sea Level	<b>Map Zone:</b> UTM Zone 12, North 114W to 108W <b>Coordinate System:</b> Well Centre <b>Geomagnetic Model:</b> bggm2005

<b>Site:</b> NBU 1022-14M PAD	
<b>Site Position:</b> <b>From:</b> Geographic <b>Position Uncertainty:</b> 0.00 ft <b>Ground Level:</b> 5265.00 ft	<b>Northing:</b> 14510072.51 ft <b>Latitude:</b> 39 56 36.230 N <b>Easting:</b> 2084930.72 ft <b>Longitude:</b> 109 24 50.700 W <b>North Reference:</b> True <b>Grid Convergence:</b> 1.0184 deg

<b>Well:</b> 1022-14M2S  <b>Well Position:</b> <b>+N/-S</b> 0.00 ft <b>Northing:</b> 14510072.51 ft <b>Latitude:</b> 39 56 36.230 N <b>+E/-W</b> 0.00 ft <b>Easting:</b> 2084930.72 ft <b>Longitude:</b> 109 24 50.700 W <b>Position Uncertainty:</b> 0.00 ft	<b>Slot Name:</b>   
---	-------------------------------

<b>Wellpath:</b> 1  <b>Current Datum:</b> SITE <b>Height</b> 5280.00 ft <b>Magnetic Data:</b> 9/27/2006 <b>Field Strength:</b> 52830 nT <b>Vertical Section:</b> Depth From (TVD) <b>+N/-S</b> ft      ft	<b>Drilled From:</b> Surface <b>Tie-on Depth:</b> 0.00 ft <b>Above System Datum:</b> Mean Sea Level <b>Declination:</b> 11.6466 deg <b>Mag Dip Angle:</b> 65.9916 deg <b>+E/-W</b> <b>Direction</b> ft      deg
0.00      0.00      0.00      319.48	

<b>Survey:</b> Survey #3  <b>Company:</b> Weatherford International <b>Tool:</b> MWD;MWD - Standard	<b>Start Date:</b> 10/13/2006  <b>Engineer:</b> Robert Vialpando <b>Tied-to:</b> From Surface
--	--

<b>Survey:</b> Survey #3										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	MWD
2409.00	1.88	155.88	2408.57	-36.07	16.15	-37.91	0.08	0.08	0.00	MWD
2441.00	1.75	158.38	2440.55	-37.00	16.54	-38.88	0.48	-0.41	7.81	MWD
2535.00	0.38	81.25	2534.54	-38.29	17.38	-40.40	1.81	-1.46	-82.05	MWD
2629.00	2.13	339.00	2628.51	-36.61	17.06	-38.92	2.38	1.86	-108.78	MWD
2690.00	3.31	338.13	2689.44	-33.92	16.00	-36.18	1.94	1.93	-1.43	MWD
2722.00	4.06	337.63	2721.38	-32.01	15.23	-34.23	2.35	2.34	-1.56	MWD
2754.00	5.00	341.25	2753.28	-29.64	14.35	-31.86	3.07	2.94	11.31	MWD
2785.00	5.81	345.00	2784.14	-26.85	13.51	-29.19	2.85	2.61	12.10	MWD
2817.00	6.50	347.63	2815.96	-23.52	12.70	-26.13	2.33	2.16	8.22	MWD
2849.00	7.06	341.00	2847.73	-19.89	11.67	-22.70	3.00	1.75	-20.72	MWD
2880.00	8.13	337.63	2878.46	-16.06	10.22	-18.84	3.74	3.45	-10.87	MWD
2912.00	9.25	336.88	2910.09	-11.60	8.34	-14.24	3.52	3.50	-2.34	MWD
2943.00	10.75	335.00	2940.62	-6.69	6.14	-9.08	4.95	4.84	-6.06	MWD
2974.00	12.00	329.63	2971.01	-1.29	3.29	-3.12	5.28	4.03	-17.32	MWD
3005.00	13.19	323.75	3001.27	4.35	-0.43	3.58	5.64	3.84	-18.97	MWD
3036.00	14.69	320.63	3031.35	10.24	-5.01	11.04	5.41	4.84	-10.06	MWD
3100.00	15.69	318.38	3093.12	22.98	-15.91	27.80	1.81	1.56	-3.52	MWD
3161.00	16.06	319.88	3151.79	35.60	-26.82	44.49	0.91	0.61	2.46	MWD
3233.00	16.63	320.63	3220.88	51.18	-39.78	64.75	0.84	0.79	1.04	MWD
3296.00	16.88	320.50	3281.21	65.21	-51.31	82.91	0.40	0.40	-0.21	MWD
3358.00	17.38	320.00	3340.45	79.24	-62.99	101.17	0.84	0.81	-0.81	MWD
3421.00	18.13	318.00	3400.45	93.74	-75.60	120.37	1.53	1.19	-3.17	MWD
3483.00	18.50	316.50	3459.31	108.04	-88.82	139.84	0.97	0.60	-2.42	MWD



# Weatherford International

## Survey Report

Company: Kerr McGee  
Field: Uintah County, UT  
Site: NBU 1022-14M PAD  
Well: 1022-14M2S  
Wellpath: 1

Date: 10/23/2006 Time: 14:00:16 Page: 2  
Co-ordinate(NE) Reference: Well: 1022-14M2S, True North  
Vertical (TVD) Reference: SITE 5280.0  
Section (VS) Reference: Well (0.00N,0.00E,319.48Azi)  
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: Survey #3

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
3546.00	18.81	314.50	3519.00	122.41	-102.95	159.94	1.13	0.49	-3.17	MWD
3609.00	19.31	316.00	3578.55	137.02	-117.43	180.46	1.11	0.79	2.38	MWD
3672.00	19.88	317.00	3637.90	152.35	-131.97	201.56	1.05	0.90	1.59	MWD
3734.00	21.44	319.50	3695.91	168.68	-146.52	223.42	2.89	2.52	4.03	MWD
3798.00	24.06	321.25	3754.93	187.75	-162.29	248.16	4.23	4.09	2.73	MWD
3861.00	24.63	321.25	3812.33	208.00	-178.54	274.12	0.90	0.90	0.00	MWD
3924.00	26.75	321.00	3869.10	229.26	-195.68	301.42	3.37	3.37	-0.40	MWD
3986.00	25.31	320.50	3924.81	250.33	-212.89	328.62	2.35	-2.32	-0.81	MWD
4049.00	25.38	320.13	3981.74	271.09	-230.12	355.58	0.27	0.11	-0.59	MWD
4112.00	25.63	318.88	4038.60	291.71	-247.73	382.71	0.94	0.40	-1.98	MWD
4176.00	26.88	319.50	4096.00	313.14	-266.23	411.02	2.00	1.95	0.97	MWD
4239.00	27.25	319.13	4152.10	334.88	-284.92	439.68	0.65	0.59	-0.59	MWD
4301.00	27.19	319.25	4207.24	356.35	-303.45	468.04	0.13	-0.10	0.19	MWD
4365.00	26.94	319.63	4264.23	378.47	-322.39	497.16	0.47	-0.39	0.59	MWD
4427.00	26.56	322.00	4319.59	400.09	-340.02	525.06	1.83	-0.61	3.82	MWD
4490.00	25.94	322.00	4376.10	422.05	-357.17	552.89	0.98	-0.98	0.00	MWD
4553.00	25.19	321.63	4432.93	443.42	-373.98	580.06	1.22	-1.19	-0.59	MWD
4615.00	24.56	321.88	4489.18	463.90	-390.12	606.12	1.03	-1.02	0.40	MWD
4678.00	23.69	321.38	4546.67	484.09	-406.11	631.85	1.42	-1.38	-0.79	MWD
4739.00	22.69	320.75	4602.74	502.78	-421.20	655.86	1.69	-1.64	-1.03	MWD
4803.00	21.94	320.50	4661.95	521.56	-436.62	680.15	1.18	-1.17	-0.39	MWD
4865.00	21.38	320.25	4719.57	539.19	-451.21	703.04	0.92	-0.90	-0.40	MWD
4930.00	20.56	319.63	4780.27	556.99	-466.18	726.30	1.31	-1.26	-0.95	MWD
4991.00	19.75	319.63	4837.53	573.01	-479.79	747.31	1.33	-1.33	0.00	MWD
5055.00	18.44	320.13	4898.01	589.01	-493.29	768.25	2.06	-2.05	0.78	MWD
5118.00	17.81	320.63	4957.88	604.11	-505.78	787.85	1.03	-1.00	0.79	MWD
5181.00	15.56	322.00	5018.22	618.22	-517.10	805.92	3.63	-3.57	2.17	MWD
5244.00	14.81	323.23	5079.03	631.33	-527.12	822.40	1.30	-1.19	1.95	MWD
5307.00	13.56	324.00	5140.10	643.75	-536.28	837.80	2.01	-1.98	1.22	MWD
5370.00	12.31	324.25	5201.50	655.18	-544.55	851.85	1.99	-1.98	0.40	MWD
5433.00	10.31	321.88	5263.28	665.06	-551.95	864.18	3.26	-3.17	-3.76	MWD
5496.00	10.00	319.13	5325.29	673.64	-559.01	875.28	0.91	-0.49	-4.37	MWD
5559.00	9.50	317.38	5387.38	681.60	-566.11	885.95	0.92	-0.79	-2.78	MWD
5623.00	8.94	317.63	5450.55	689.16	-573.04	896.20	0.88	-0.87	0.39	MWD
5686.00	7.81	314.50	5512.88	695.78	-579.39	905.35	1.93	-1.79	-4.97	MWD
5749.00	4.56	299.00	5575.51	699.99	-584.64	911.97	5.75	-5.16	-24.60	MWD
5812.00	3.50	282.88	5638.35	701.63	-588.70	915.86	2.45	-1.68	-25.59	MWD
5875.00	2.50	262.50	5701.27	701.88	-591.94	918.15	2.30	-1.59	-32.35	MWD
5937.00	1.56	247.75	5763.23	701.39	-594.06	919.15	1.72	-1.52	-23.79	MWD
6000.00	1.44	239.00	5826.21	700.66	-595.53	919.55	0.41	-0.19	-13.89	MWD
6063.00	1.31	245.25	5889.19	699.95	-596.87	919.88	0.31	-0.21	9.92	MWD
6126.00	1.13	249.13	5952.18	699.42	-598.10	920.28	0.31	-0.29	6.16	MWD
6189.00	1.00	223.25	6015.17	698.80	-599.06	920.43	0.78	-0.21	-41.08	MWD
6252.00	1.06	219.50	6078.16	697.95	-599.81	920.27	0.14	0.10	-5.95	MWD
6315.00	1.00	218.00	6141.15	697.07	-600.51	920.06	0.10	-0.10	-2.38	MWD
6409.00	1.06	219.00	6235.13	695.75	-601.57	919.74	0.07	0.06	1.06	MWD
6503.00	0.75	206.75	6329.12	694.52	-602.39	919.34	0.39	-0.33	-13.03	MWD
6597.00	1.00	203.50	6423.11	693.22	-602.99	918.74	0.27	0.27	-3.46	MWD
6691.00	1.13	191.75	6517.09	691.56	-603.51	917.82	0.27	0.14	-12.50	MWD
6786.00	1.06	191.63	6612.07	689.78	-603.88	916.71	0.07	-0.07	-0.13	MWD
6880.00	1.25	192.50	6706.05	687.93	-604.28	915.56	0.20	0.20	0.93	MWD
6975.00	1.25	185.75	6801.03	685.89	-604.60	914.22	0.15	0.00	-7.11	MWD
7068.00	0.94	183.75	6894.02	684.12	-604.75	912.97	0.34	-0.33	-2.15	MWD

# Weatherford International

## Survey Report

<b>Company:</b> Kerr McGee <b>Field:</b> Uintah County, UT <b>Site:</b> NBU 1022-14M PAD <b>Well:</b> 1022-14M2S <b>Wellpath:</b> 1	<b>Date:</b> 10/23/2006 <b>Time:</b> 14:00:16 <b>Page:</b> 3 <b>Co-ordinate(NE) Reference:</b> Well: 1022-14M2S, True North <b>Vertical (TVD) Reference:</b> SITE 5280.0 <b>Section (VS) Reference:</b> Well (0.00N,0.00E,319.48Azi) <b>Survey Calculation Method:</b> Minimum Curvature <b>Db:</b> Sybase
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**Survey:** Survey #3

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
7163.00	0.94	165.50	6989.00	682.58	-604.61	911.71	0.31	0.00	-19.21	MWD
7257.00	1.06	140.38	7082.99	681.17	-603.86	910.15	0.48	0.13	-26.72	MWD
7351.00	0.81	138.75	7176.98	680.00	-602.87	908.61	0.27	-0.27	-1.73	MWD
7446.00	1.00	135.00	7271.96	678.91	-601.84	907.12	0.21	0.20	-3.95	MWD
7541.00	1.19	149.63	7366.95	677.47	-600.76	905.32	0.35	0.20	15.40	MWD
7635.00	1.19	157.38	7460.93	675.73	-599.89	903.43	0.17	0.00	8.24	MWD
7729.00	1.19	160.63	7554.91	673.91	-599.19	901.59	0.07	0.00	3.46	MWD
7789.00	1.19	160.63	7614.89	672.73	-598.78	900.43	0.00	0.00	0.00	EXTRAPOLATED TD

### Annotation

MD ft	TVD ft	
7789.00	7614.89	EXTRAPOLATED TD

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
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<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 1022-14M2-S
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0644 FSL 0692 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 14 Township: 10.0S Range: 22.0E Meridian: S		<b>9. API NUMBER:</b> 43047377360000
<b>PHONE NUMBER:</b> 720 929-6007 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> Uintah		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> <b>ACIDIZE</b>	
<input checked="" type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion: 3/10/2010	<input type="checkbox"/> <b>ALTER CASING</b>	
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> <b>CASING REPAIR</b>	
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>	
	<input type="checkbox"/> <b>CHANGE TUBING</b>	
	<input type="checkbox"/> <b>CHANGE WELL STATUS</b>	
	<input type="checkbox"/> <b>COMMINGLE PRODUCING FORMATIONS</b>	
	<input type="checkbox"/> <b>DEEPEN</b>	
	<input type="checkbox"/> <b>FRACTURE TREAT</b>	
	<input type="checkbox"/> <b>NEW CONSTRUCTION</b>	
	<input type="checkbox"/> <b>OPERATOR CHANGE</b>	
	<input type="checkbox"/> <b>PLUG AND ABANDON</b>	
	<input type="checkbox"/> <b>PLUG BACK</b>	
	<input checked="" type="checkbox"/> <b>PRODUCTION START OR RESUME</b>	
	<input type="checkbox"/> <b>RECLAMATION OF WELL SITE</b>	
	<input type="checkbox"/> <b>RECOMPLETE DIFFERENT FORMATION</b>	
	<input type="checkbox"/> <b>REPERFORATE CURRENT FORMATION</b>	
	<input type="checkbox"/> <b>SIDETRACK TO REPAIR WELL</b>	
	<input type="checkbox"/> <b>TEMPORARY ABANDON</b>	
	<input type="checkbox"/> <b>TUBING REPAIR</b>	
	<input type="checkbox"/> <b>VENT OR FLARE</b>	
	<input type="checkbox"/> <b>WATER DISPOSAL</b>	
	<input type="checkbox"/> <b>WATER SHUTOFF</b>	
	<input type="checkbox"/> <b>SI TA STATUS EXTENSION</b>	
	<input type="checkbox"/> <b>APD EXTENSION</b>	
	<input type="checkbox"/> <b>WILDCAT WELL DETERMINATION</b>	
	<input type="checkbox"/> <b>OTHER:</b> _____	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> THIS WELL RETURNED TO PRODUCTION ON 3/10/2010.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> March 18, 2010		
<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 3/17/2010	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-468
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 1022-14M2-S
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0644 FSL 0692 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 14 Township: 10.0S Range: 22.0E Meridian: S		<b>9. API NUMBER:</b> 43047377360000
<b>PHONE NUMBER:</b> 720 929-6007 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> Uintah		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> <b>ACIDIZE</b>	
<input checked="" type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion: 3/10/2010	<input type="checkbox"/> <b>ALTER CASING</b>	
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>	
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> <b>CHANGE TUBING</b>	
	<input type="checkbox"/> <b>CHANGE WELL STATUS</b>	
	<input type="checkbox"/> <b>COMMINGLE PRODUCING FORMATIONS</b>	
	<input type="checkbox"/> <b>DEEPEN</b>	
	<input type="checkbox"/> <b>FRACTURE TREAT</b>	
	<input type="checkbox"/> <b>OPERATOR CHANGE</b>	
	<input type="checkbox"/> <b>PLUG AND ABANDON</b>	
	<input checked="" type="checkbox"/> <b>PRODUCTION START OR RESUME</b>	
	<input type="checkbox"/> <b>RECLAMATION OF WELL SITE</b>	
	<input type="checkbox"/> <b>REPERFORATE CURRENT FORMATION</b>	
	<input type="checkbox"/> <b>SIDETRACK TO REPAIR WELL</b>	
	<input type="checkbox"/> <b>TUBING REPAIR</b>	
	<input type="checkbox"/> <b>VENT OR FLARE</b>	
	<input type="checkbox"/> <b>WATER SHUTOFF</b>	
	<input type="checkbox"/> <b>SI TA STATUS EXTENSION</b>	
	<input type="checkbox"/> <b>WILDCAT WELL DETERMINATION</b>	
	<input type="checkbox"/> <b>OTHER:</b>	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> THIS WELL RETURNED TO PRODUCTION ON 3/10/2010.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> March 18, 2010		
<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 3/17/2010	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-468
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 1022-14M2-S
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0644 FSL 0692 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 14 Township: 10.0S Range: 22.0E Meridian: S		<b>9. API NUMBER:</b> 43047377360000
<b>PHONE NUMBER:</b> 720 929-6007 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> <b>ACIDIZE</b>	
<input checked="" type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion: 3/10/2010	<input type="checkbox"/> <b>ALTER CASING</b>	
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>	
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> <b>CHANGE TUBING</b>	
	<input type="checkbox"/> <b>CHANGE WELL STATUS</b>	
	<input type="checkbox"/> <b>COMMINGLE PRODUCING FORMATIONS</b>	
	<input type="checkbox"/> <b>DEEPEN</b>	
	<input type="checkbox"/> <b>FRACTURE TREAT</b>	
	<input type="checkbox"/> <b>OPERATOR CHANGE</b>	
	<input type="checkbox"/> <b>PLUG AND ABANDON</b>	
	<input checked="" type="checkbox"/> <b>PRODUCTION START OR RESUME</b>	
	<input type="checkbox"/> <b>RECLAMATION OF WELL SITE</b>	
	<input type="checkbox"/> <b>REPERFORATE CURRENT FORMATION</b>	
	<input type="checkbox"/> <b>SIDETRACK TO REPAIR WELL</b>	
	<input type="checkbox"/> <b>TUBING REPAIR</b>	
	<input type="checkbox"/> <b>VENT OR FLARE</b>	
	<input type="checkbox"/> <b>WATER SHUTOFF</b>	
	<input type="checkbox"/> <b>SI TA STATUS EXTENSION</b>	
	<input type="checkbox"/> <b>WILDCAT WELL DETERMINATION</b>	
	<input type="checkbox"/> <b>OTHER:</b>	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> THIS WELL RETURNED TO PRODUCTION ON 3/10/2010.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> April 20, 2010		
<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 3/22/2010	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
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<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 1022-14M2-S
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0644 FSL 0692 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 14 Township: 10.0S Range: 22.0E Meridian: S		<b>9. API NUMBER:</b> 43047377360000
<b>10. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 7/11/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> THE NBU 1022-14M2S WELL WAS RETURNED TO PRODUCTION ON 7/11/2014. THANK YOU.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> July 18, 2014		
<b>NAME (PLEASE PRINT)</b> Kay E. Kelly	<b>PHONE NUMBER</b> 720 929 6582	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/18/2014	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
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<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>			
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES			
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 1022-14M2-S			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0644 FSL 0692 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 14 Township: 10.0S Range: 22.0E Meridian: S		<b>9. API NUMBER:</b> 43047377360000			
<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES		<b>COUNTY:</b> UINTAH			
<b>STATE:</b> UTAH					
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>					
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>				
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>8/10/2016</b>  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input checked="" type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION            OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input checked="" type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
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<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>Kerr-McGee Oil &amp; Gas Onshore, LP respectfully requests to plug and abandon the NBU 1022-14M2S well. Please see the attached procedure for details. Thank you.</p> </div> <div style="width: 35%; text-align: right;"> <p><b>Accepted by the Utah Division of Oil, Gas and Mining</b></p> <p><b>Date:</b> _____</p> <p><b>By:</b> <u><i>Derek Quist</i></u>              August 25, 2016</p> </div> </div> <p style="text-align: right; color: red; font-weight: bold; margin-top: 20px;">Please Review Attached Conditions of Approval</p>					
<b>NAME (PLEASE PRINT)</b> Candice Barber	<b>PHONE NUMBER</b> 435 781-9749	<b>TITLE</b> HSE Representative			
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/10/2016				



**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Sundry Conditions of Approval Well Number 43047377360000**

**Add a 100' cement plug from 6600' to 6500' to isolate the open Mesaverde perms as required by R649-3-24-3.2.**

**Add 200' cement plug across the base of the Parachute Creek member of the Green River formation from 2700' to 2500' as required by Board Cause No. 190-5(B).**



NBU 1022-14M2S  
644' FSL & 692' FWL  
SWSW SEC. 14, T10S, R22E  
UINTAH UT

KBE: 5278'  
GLE: 5264'  
TD: 8330'  
PBSD: 8286'

API NUMBER: 4304737736  
LEASE NUMBER: UTU468  
LAT/LONG: 39.943399/-109.414096

CASING : 12.25' hole  
SURFACE 9.625" 36# J-55 @ 2348'

PRODUCTION 7.875" hole  
4.5" 11.6# I-80 @ 8316'  
Est. TOC @ 400' CBL

PERFORATIONS: WASATCH-MESAVERDE TOP-BOTTOM 4765'-8124'

TUBING: 2.375" 4.7# L/N-80 tbg at 7235'

Tubular/Borehole	ID	Drift inches	Collapse psi	Burst psi	Capacities		
	inches				Gal./ft.	Cuft./ft.	Bbl./ft.
2.375" 4.7# J-55 tbg	1.995	1.901	8100	7700	0.1624	0.02171	0.00387
2.375" 4.7# P-110 tbg	1.995	1.901	13800	15400	0.1624	0.02171	0.00387
2.375" 4.7# L-80 tbg	1.995	1.901	11780	11200	0.1624	0.02171	0.00387
4.5" 11.6# I-80 csg	4	3.875	6350	7780	0.65282	0.08727	0.01554
9.625" 36# J-55 csg	9.001	8.845	1400	2270	3.30549	0.44188	0.0787

Annular Capacities	Gal./ft.	Cuft./ft.	Bbl./ft.
2.375" tbg. X 4.5" csg	0.42272	0.05651	0.01006
4.5" csg. X 9.625" csg	2.47927	0.33143	0.05903
4.5" csg X 7.875 borehole	1.70406	0.2278	0.04057

#### GEOLOGIC INFORMATION:

Formation	Depth to top, ft.
Uinta	Surface
Top Green River	1017'
Top Mahogany	1736'
Base Parachute	2549'
Top Wasatch	4146'
Top Mesaverde	6577'

<http://digitallibrary.utah.gov/awweb/awarchive?type=file&item=55737>

BMSW Elevation ~1778' MSL  
BMSW Depth ~3500'

## **NBU 1022-14M2S PLUG & ABANDONMENT PROCEDURE**

### **GENERAL**

- H2S MAY BE PRESENT. CHECK FOR H2S AND TAKE APPROPRIATE PRECAUTIONS.
- BLOW DOWN BRADEN HEAD AND SURFACE CASING AS NEEDED AS PER SOP.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, 15.8ppg, YIELD 1.145 CUFT/SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESPONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDES. PREMIX 5 GALLONS PER 100 BBLS FLUID AND IS TO BE PLACED BETWEEN ALL PLUGS.
- NOTIFY APPROPRIATE AGENCY 48 HOURS BEFORE MOVING ON LOCATION.

PERTINENT WELL HISTORY: s.n. @ 7249'

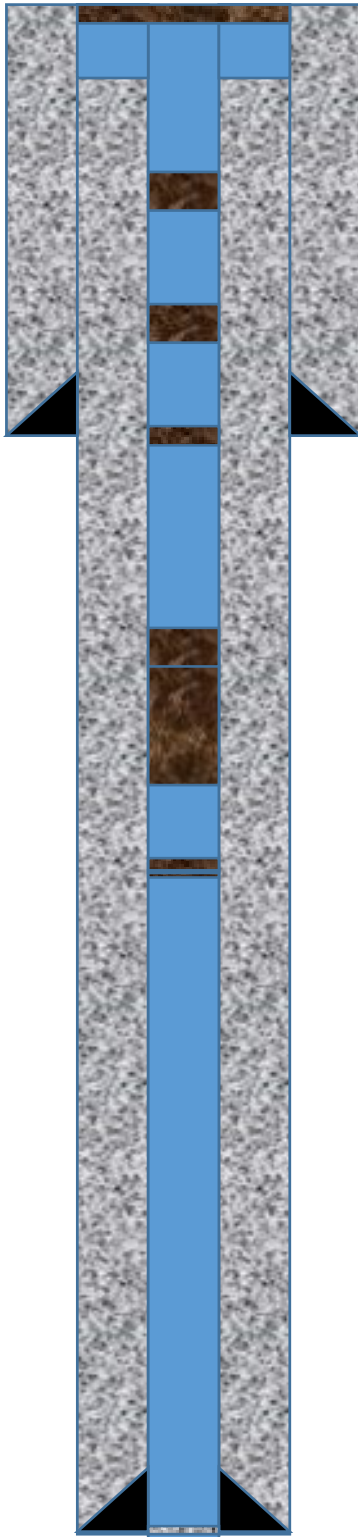
### **PROCEDURE**

**Note:** Approx. **144 SXS** Class "G" cement needed for procedure & **(1) 4.5" CIBP**

**Note: YES GYRO ON RECORD.** (IF GYRO NEEDED, A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE).

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. POOH W/ TBG & L/D SAME. RU WIRELINE AND MAKE A GAUGE RING RUN TO CHECK FOR FILL PER FOREMAN DISCRETION.
3. ISOLATE PERFORATIONS (8124'-4765'): RIH ON WIRELINE OR TUBING W/ 4.5" CIBP. SET @ ~4715', (50' above top perf at 4765'). RELEASE CIBP, PUH 10', CIRC ENTIRE HOLE W/ TREATED FRESH WATER AND PRESSURE TEST CASING. SET A 105FT BALANCED CMT PLUG F/ 4715' to 4610'(8 SXS, 9.16 FT3, 1.64 BBLS).
4. PROTECT WASATCH TOP (4146') and BMSW (3500'): PUH WITH TUBING AND PUMP A MINIMUM OF (752FT) CMT F/ 4146' to 3395' (58 SXS, 65.627 FT3, 11.69 BBLS).
5. PROTECT CASING SHOE (2348'): PUH WITH TUBING AND PUMP A MINIMUM OF (105FT) CMT F/ 2400.5' to 2295.5' (8 SXS, 9.16 FT3, 1.64 BBLS).
6. PROTECT MAHOGANY BASE (1736'): PUH WITH TUBING AND PUMP A MINIMUM OF (210FT) CMT F/ 1841' to 1631' (16 SXS, 18.32 FT3, 3.27 BBLS).
7. PROTECT GREEN RIVER (1017'): PUH WITH TUBING AND PUMP A MINIMUM OF (210FT) CMT F/ 1122' to 912' (16 SXS, 18.32 FT3, 3.27 BBLS).
8. PROTECT SURFACE (101'): PUH WITH TUBING AND PUMP A MINIMUM OF (105 FT) CMT F/ 105'-0' (8 SXS, 9.16 FT3, 1.64 BBLS). POOH AND RUN 1 INCH TUBING DOWN THE PRODUCTION/SURFACE CASING ANNULUS TO AS DEEP AS POSSIBLE AND CEMENT TO SURFACE(29 SXS, 33.21 FT3, 5.92 BBLS).
9. CUT OFF WELLHEAD AND INSTALL MARKER PER REGULATIONS.
10. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB. SURFACE RECLAMATION TO BE PERFORMED IN ACCORDANCE TO REGULATIONS.

## NBU 1022-14M2S



Total SXS: 144, Total CIBP: 1

<- Plug for Surface at 0' from 0' to 101' with 38SXS,101ft.

<- TOC at 400'

<- Plug for GreenRiver at 1017' from 1122' to 912' with 16SXS,210ft.

<- Plug for Mahogany at 1736' from 1841' to 1631' with 210ft, 16SXS,210ft.

<- Plug for Surface Shoe at 2348' from 2400.5' to 2295.5' with 8SXS,105ft.

<- Parachute Base at 2549'

<- Plug for BMSW (3500') and Wasatch (4146') from 4146' to 3395' with 58SXS,752ft.

<- Plug above CIBP at 4715' from 4715' to 4610' with 8SXS,105ft.

<-CIBP Above Perfs at 4715'

<-Top Perf at 4765'

<-PBD at 8286'

<- Production Casing Shoe at 8316'

<-TD at 8330'

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-468
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 1022-14M2-S
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0644 FSL 0692 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 14 Township: 10.0S Range: 22.0E Meridian: S		<b>9. API NUMBER:</b> 43047377360000
<b>PHONE NUMBER:</b> 720 929-6454		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input checked="" type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION	OTHER: <input style="width: 100px;" type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <b>10/3/2016</b>				
<input type="checkbox"/> SPUD REPORT Date of Spud:				
<input type="checkbox"/> DRILLING REPORT Report Date:				

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 Kerr-McGee Oil & Gas Onshore, LP has plugged and abandoned the NBU 1022-14M2-S well on 10/3/2016. Please see the operations summary report for details. Thank you.

Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
**FOR RECORD ONLY**  
 October 06, 2016

<b>NAME (PLEASE PRINT)</b> Candice Barber	<b>PHONE NUMBER</b> 435 781-9749	<b>TITLE</b> HSE Representative
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/5/2016	

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 1022-14M2S				Spud date: 10/10/2006					
Project: UTAH-UINTAH				Site: NBU 1022-14M2S				Rig name no.: MILES-GRAY 1/1	
Event: ABANDONMENT				Start date: 9/29/2016			End date: 10/3/2016		
Active datum: RKB @5,277.99usft (above Mean Sea Level)				UWI: NBU 1022-14M2S					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation	
9/29/2016	14:00 - 14:15	0.25	ABANDZ	48	B	P		SAFETY = JSA.	
	14:15 - 14:30	0.25	ABANDZ	30	G	P		ROAD RIG TO LOCATION AFTER RIG REPAIRS.	
	14:30 - 16:00	1.50	ABANDZ	30	A	P		MIRU. ALL EQUIP ALREADY SPOTTED.	
	16:00 - 17:00	1.00	ABANDZ	30	F	P		SICP= 100#. SITP= 400#. BLOW DOWN WELL TO PRODUCTION TANKS. PUMP 10BBLS TMAC DOWN TBG & CIRCULATE UP TBG W/ FULL RETURNS. SUSPECT HIGH HOLE IN TBNG. NDWH. UN-LAND TBG, HANGER STARTED MOVING @ 20K & TBG PARTED @ 23K. LAND TBG BACK ON HANGER. NUBOP. FUNCTION TEST GOOD. R/U FLOOR & TBG EQUIP. UN-LAND TBG & RMV HANGER. SWIFN. LOCK RAMS. SDFN.	
9/30/2016	7:00 - 7:15	0.25	ABANDP	48	B	P		SAFETY = JSA.	
	7:15 - 8:30	1.25	ABANDP	46	E	Z		SICP & SITP= 200#. BLOW DOWN WELL. SCANNERS COULD NOT GET THEIR EQUIP TO WORK (BAD WIRES). FIX EQUIP.	
	8:30 - 11:10	2.67	ABANDP	31	I	P		MIRU SCANNERS. POOH WHILE SCANNING 150JTS 2-3/8" L-80 + PARTIAL JT THAT WAS PARTED. TALLY ALL TBNG AS POOH. L/D ALL TBNG FOR BETTER INSPECTION. SCAN RESULTS AS FOLLOWS:  Y-BND= 107JTS R-BND= 43JTS  NOTE: LAST 15JTS WERE VERY THIN @ HAD MULTIPLE HOLES. MODERATE TO HEAVY OD SCALE. RDMO SCANNERS.  NOTE: RAY ARNOLD W/ BLM ON LOCATION TO WITNESS P&A. DISCUSSED OPTIONS MOVING FORWARD WITH THE P&A. FISH TOP @ 4765.16'. TOP PERF @ 4765'. RAY GAVE PERMISSION TO SKIP THE STATE COA PLUG THAT WAS SUPPOSED TO BE PLACED FROM 6500'-6600'. RAY SAID THIS WELL IS FEDERAL SURFACE & FEDERAL MINERAL AND THAT THE STATE DID NOT HAVE TO BE INVOLVED IN THE DECISION.	
	11:10 - 12:15	1.08	ABANDP	30		P		CLEAN HEAVY SCALE OUT OF SLIPS, TONG DIES AND OFF OF THE FLOOR. PUMP UP WEIGHT INDICATOR PADS.	
	12:15 - 14:00	1.75	ABANDP	46	F	P		WAIT FOR TBNG TRAILER TO ARRIVE ON LOCATION. HAD A MIS-COMMUNICATION WITH THE TRUCK DRIVER.	

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 1022-14M2S

Spud date: 10/10/2006

Project: UTAH-UINTAH

Site: NBU 1022-14M2S

Rig name no.: MILES-GRAY 1/1

Event: ABANDONMENT

Start date: 9/29/2016

End date: 10/3/2016

Active datum: RKB @5,277.99usft (above Mean Sea Level)

UWI: NBU 1022-14M2S

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	14:00 - 17:00	3.00	ABANDP	31	I	P		SPOT IN PIPE TRAILER. P/U & RIH W/ 3-7/8" MILL + 150JTS 2-3/8" J-55 TBNG. T/U ON FISH TOP @ 4765'. FELL THRU PATCHY SOFT SCALE 4440'-4462'. MIRU FOAM AIR UNIT. BREAK CONV CIRC IN 20MIN. CIRC WELLBORE CLEAN FOR 45MIN. CNTRL TBG W/ 20BBLs TMAC. L/D 2JTS TBNG. STAND BACK 10JTS TBNG. SWIFN. LOCK RAMS. SDFN.
10/3/2016	7:00 - 7:15	0.25	ABANDP	48	B	P		SAFETY = JSA.
	7:15 - 8:40	1.42	ABANDP	31	I	P		SICP & SITP= 200#. BLOW DOWN WELL TO FLOWBACK TANK. CONT TOO H W/ 3-7/8" MILL + PRODUCTION TBNG. STD BACK ALL TBG. 148JTS 2-3/8" J-55 TOTAL. L/D MILL.
	8:40 - 9:30	0.83	ABANDP	31	G	P		NOTE: HEAVY RAIN & WIND. P/U & TIH W/ 4-1/2" WF CIBP + 148JTS 2-3/8" J-55 TBNG. SET CIBP @ 4717'. PUH 10'.
	9:30 - 9:50	0.33	ABANDP	31	H	P		MIRU CMT CREW. BREAK CONV CIRC W/ TMAC. CIRC WELLBORE CLEAN W/ 75BBLs TMAC UNTIL RETURNS WERE CLEAN & GAS FREE.
	9:50 - 10:05	0.25	ABANDP	52	F	P		PRESSURE TEST 4-1/2" PRODUCTION CSNG & 4-1/2" CIBP GOOD. TEST @ 500# FOR 5MIN. LOST 0# IN 5MIN. BLEED OFF PRESSURE.

## US ROCKIES REGION

## Operation Summary Report

Well: NBU 1022-14M2S

Spud date: 10/10/2006

Project: UTAH-UINTAH

Site: NBU 1022-14M2S

Rig name no.: MILES-GRAY 1/1

Event: ABANDONMENT

Start date: 9/29/2016

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Active datum: RKB @5,277.99usft (above Mean Sea Level)

UWI: NBU 1022-14M2S

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	10:05 - 15:30	5.42	ABANDP	51	D	P		<p>MIRU CMT CREW. PUMP CMT PLUGS AS POOH W/ TBNG. ALL CMT PUMPED @ 15.8# AND IS G CMT. PUMP CMT PLUGS AS FOLLOWS:</p> <p>CIBP @ 4717'. PUMP 2.6BBL FRESH WATER. PUMP 10SX CMT. DISPLACE W/ 1BBL FRESH WATER &amp; 16.7BBLS TMAC. PUH TBNG.</p> <p>EOT @ 4146'. PUMP 2.6BBLS FRESH WATER. PUMP 60SX CMT. DISPLACE W/ 1BBL FRESH WATER &amp; 11.6BBLS TMAC. PUH TBNG.</p> <p>EOT @ 2700'. PUMP 2.6 BBLS FRESH WATER. PUMP33SX CMT. DISPLACE W/ 1BBL FRESH WATER &amp; 7.6BBLS TMAC. PUH TBNG.</p> <p>EOT @ 1841'. PUMP 2.6 BBLS FRESH WATER. PUMP 17SX CMT. DISPLAE W/ 1BBL FRESH WATER &amp; 5.1BBLS TMAC. PUH TBNG.</p> <p>EOT @ 1122'. PUMP 2.6 BBLS FRESH WATER. PUMP 16SX CMT. DISPLACE W/ 1BBL FRESH WATER. @ 2.4BBLS TMAC. POOH ALL TBNG.</p> <p>R/D FLOOR &amp; TBNG EQUIP.NDBOP. COULD NOT RDMOL BECAUSE OF WIND. EXPOSE WELLHEAD W/ ROUSTABOUT CREW. CUT &amp; LOWER WELLHEAD.</p> <p>R/U CMT CREW. PUMP TOP DOWN 10SX CMT DOWN 4-1/2" CSNG UNTIL FULL. R/U 1" PIPE, RIH &amp; STACK OUT @35' ON DRILLING MUD. PUMP 25SX CMT DOWN 9-5/8" CSNG UNTIL GOOD CMT @ SURFACE. CMT STAYED FULL @ SURFACE.</p> <p>INSTALL MARKER PLATE.. BACKFILL WELLHEAD. SDFN.</p> <p>NOTE: RAY ARNOLD W/ BLM ON LOCATION TO WITNESS P&amp;A. RAY APPROVED OF ALL ACTIONS.</p> <p>WELLHEAD COORDINATES: LAT: 39.943399 LONG: -109.414096</p>